CONSTRUCTION NEWS

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IMPORTANT WORK NOTED IN THIS ISSUE.

Railways.

Boston & Albany R. R.
Coal & Coke Ry.
Tampa & Jacksonville Ry.

Electric Railways.

Pittsfield, Mass.
Sisterville, W. Va.
Springfield, Ill.

Light and Power Plants.

Turbo-generator, Denver, Colo.
Dam, Kansas City, Mo.
Power plant, Madera, Mex.

Bridges.

Bridge, Louisville, Ohio.
Bridge (Barge Canal Cont. 79), Albany.
Bridge, Sacramento, Cal.

Buildings.

Store and office bldg., New York.
Theater and office bldg., Wash., D. C.
Building, Chicago, Ill.
City hall, Seattle, Wash.

Water Supply—Irrigation.

Filtration plant, Toledo, Ohio.
Water mains, Minneapolis, Minn.
Irrigation, etc., Corpus Christi, Tex.

Sewers.

Sewers, Richmond, Va.
Sewers, West Allis, Wis.

Streets and Roads.

Street repair, Philadelphia, Pa.
Gravel roads, Frankfort, Ind.
Asphalt pavement, Oklahoma City, Okla.

Manufacturing Plants.

Soda plant, Wyandotte, Mich.
Steel plant, Duluth, Minn.

Miscellaneous.

Barge Canal, Albany, N. Y.
Subway system, etc., New York, N. Y.
Harbor, Chicago, Ill.
Pier, etc., Boston, Mass.

RAILWAYS.

(*Denotes that this work is advertised in Engineering News.)

BOSTON & ALBANY R. R.—Construction will shortly be started on a new double track tunnel near State Line. It will be about 1,200 ft. long. F. B. Freeman is Ch. Engr., Boston, Mass.

COAL & COKE RY.—The extension of this road will enter Preston County, W. Va., on the Cheat River at the line between Tucker and Preston, running along the Cheat through Union and Reno districts to connect with the Morgantown & Kingwood R. R. at the M. & K. junction, thence by way of the M. & K. to Morgantown, giving a through line and connecting with the P. & L. E. R. R. at Pittsburg, Pa. A line is contemplated in the near future, down the east side of the Cheat River leaving the M. & K. at Trowbridge Ferry and thence by way of Albright through Pleasant and Grant districts along the Cheat to Point Marion, again connecting with the P. & L. E. R. R. at Pittsburg. Senator Henry Gassoway Davis and Senator Stephen B. Elkins and allied interests are the finacial factors in the enterprise. R. H. Pembroke, Elkins, W. Va., is Ch. Engr.

DENVER, LARAMIE & NORTHWESTERN R. R.—W. E. Green, V.-Prest. & Gen. Mgr., Denver, Colo., is reported as saying that this road would build to the Puget Sound, about 1,500 miles. A further interview states: "It is a fact that the road will be built to the Elk Mountain coal fields of Wyoming, 216 miles from Denver, without delay; and it is more than a possibility—it is very probable—that the officers, who know the great resources of the Northwest and of Alaska, will let little time elapse after completing this section before they begin the construction of the line to Seattle. The articles of incorporation of the company give them the right to build such a line. Construction work is now under way north of Greeley, and it is believed that the road will be operating into the Laramie plains, 125 miles northwest from Denver, by January; and by a year from now will be completed to Elk Mountain." W. D. Hodge is Ch. Engr., 511 E. & C. Bldg., Denver, Colo.

GARDEN CITY, GULF & NORTHERN R. R. CO.—Official advices are as follows: "Contracts have been let and grading begun on the 55-mile extension of the road north from Scott City, the present northern terminal to a connection with the Union Pacific R. R. in the northern part of Logan County; also on the 70-mile extension south from Garden City to Liberal, Kansas, on the Rock Island R. R. B. M. McCue, Garden City, is Pres. E. A. Tennis, Garden City, is V.-Pres. & Gen. Mgr. L. L. Graham, Garden City, is Ch. Engr."

LOUISVILLE & NASHVILLE.—The line north of Black Creek will be double-tracked into Decatur. Survey is being made and right-of-way secured. W. H. Courtenay is Ch. Engr., at Louisville, Ky.; W. L. Mapother is Vice-Pres.

MASSACHUSETTS.—See item under Miscellaneous Contracts: Railroad System Extension.

MEMPHIS, DALLAS & GULF R. R.—Engineers are at work on the permanent location between Murfeesboro and Graysouia, Ark. C. H. Cravens is Ch. Engr., Nashville, Ark. Noted July 9 and Aug. 11.

MICHIGAN.—See item under Miscellaneous Contracts: Spur track.

MISSOURI PACIFIC RY.—A contract has been awarded to HODGES, DOWNEY & CO., Birmingham, Ala., for 2,250,000 yds. of trestle filling on the Memphis, Helena & Louisiana division.

SEABOARD AIR LINE.—The directors have appropriated $260,000 for improvements on the Birmingham division. This will include the filling in of trestles and building of tunnels between Atlanta and Birmingham. W. L. Sheldon, Portsmouth, Va., is Ch. Engr. and C. P. Hammond, Atlanta, Ga., is Div. Engr.

TAMPA & JACKSONVILLE RY.—A contract was let on Aug. 29 for grading 7½ miles of roadway, beginning at Fairfield and extending south. This contract was let to EMERSON & OLIVER, Gainesville, Fla., and ties went to OLIVER & KITE. All work will be of standard construction, grades not to exceed 1%, curves 3°, rail 60 lbs. per yd. and ties placed 2 ft. c. to c. Time of completion Jan. 1, 1911. This road only recently completed laying new rail on several miles of roadway that was of light section, and the construction contract just let will no doubt be followed by others soon. There will be no bridges on this portion of the road. All openings under 4 ft. are being filled by the use of American ingot iron culverts, the contract for same going to the DIXIE CULVERT & METAL CO., of Atlanta, Ga. The company is in the market for 8½ miles of relayers, 60 lbs. per yd. F. S. Parrigin, Gainesville, Fla., is Ch. Engr.

ELECTRIC RAILWAYS.

PITTSFIELD, MASS.—Plans are being prepared, according to press reports, by the Berkshire Street Ry. Co. to extend its lines from Great Barrington, Mass., to the state line, and then to Canaan. An extension is also projected from Hungtington to Lee, Mass.

NEW YORK, N. Y.—See item under miscellaneous regarding new subways in Greater New York.

BERWICK, PA.—The construction work on the lines of the Berwick & Nescopeck Street Ry. Co. the 8½ mile line from Nescopeck to Berwick and Foundryville is being done by company forces. Power will be purchased from the Haywood Electric Co. Avery Clinton Sickels, Berwick, Pa., is Pres.

BUENA VISTA, PA.—We are officially advised that preliminary and location surveys have been completed for an extension of the Chambersburg, Greencastle & Waynesboro Street Railway to Buena Vista, Pa., a distance of 1¼ miles. Construction will start this fall. It is understood that the road will be extended to Highfield, Md., in the near future. Crum & Davidson, Frederick, Md., are the engineers in charge.

SISTERVILLE, W. VA.—The rights of way for the new traction line known as The Middle Island R. R., to connect Sisterville and Middlebourne, have been secured and Col. T. Moore Jackson of Clarksburg, who is at the head of the project has asked for bids on the work of building the road. Contracts will be let for parts of the work or for the whole, as may seem best.

STERLING, ILL. — The Sterling Motive Traction Co. has made surveys and obtained part of the right of way for a 102 mile line connecting Sterling, Prophetstown, Morrison, Lyndon and Erie in Whiteside county and Hillsdale and Molin in Rock Island county. A contract has been made with the Northwestern Construction Co., Milwaukee, Wis. A power station is contemplated at Lyndon, Ill. W. E. Fuller, Morrison, Ill., is Pres.; C. E. Schneider, Sterling, Ill., is Ch. Engr. Noted Aug. 25.

SPRINGFIELD, ILL.—Work has been commenced on the 34 mile Springfield & Jacksonville Electric Ry. This will have a grade of about 1% and no curve exceeding 4°. Freight will be interchanged with the McKinley system and steam railroads.

The cost is estimated at $23,400 per mile by The Arnold Co., 181 La Salle St., Chicago. Oscar J. Lucas, Latham, Ill., is Pres.

GREENVILLE, TEX.—S. A. Price, Albert Emmanuel, W. F. Bredenbach and associates, all of Dayton, Ohio, have accepted the 50-year franchise granted them by the city council for the construction of an electric street railway system here. The promoters of the project have organized the Greenville Railway Co. to carry out the enterprise. They have filed a bond of $5,000 with the city as a guaranty that they will fulfill the terms of the franchise. The company expects to spend not less than $250,000 in constructing the proposed electric railway system and power plant. Albert Emanuel, Dayton, Ohio, is Pres.

MEXICO CITY, MEX.—The Mexico Light & Power Co., F. S. Pearson, 25 Broad St., New York, Pres., the Canadian concern which owns the hydro-electric plant at Necaxa and the extensive system of electric railways in this city and the Federal district, has just been granted concessions by the federal government for the construction of two electric interurban lines. One of these proposed roads is to run between Mexico City and Puebla, a distance of 129 miles, and the other between here and Toluca, 32 miles. The two lines will be the longest electric railways in Mexico. The company made a survey for the proposed line to Puebla some time ago. Its engineers made a thorough investigation of the route and their report was favorable. It is stated that the construction of these two lines will involve some heavy and costly work. They will penetrate a region that is famous for its mountain beauty. The Mexico City-Puebla road will pass between the volcanoes of Popocatepetl and Ixtaccihuatl. The concessions require the roads to be finished within ten years. The company is granted exemption from duties on all construction material that may be imported during the next five years. The concessions are for a period of ninety-nine years. The passenger fare is fixed at 6 cts. per kilometer for first-class passengers; 4½ cts. for second-class and 3 cts., for third class.

JUAREZ (Chihuahua), MEXICO.—The department of foreign relations of the Mexican government has granted the application of the El Paso & Juarez Traction Co., to extend its electric railway over the new international bridge across the Rio Grande connecting El Paso, Texas, with Juarez. It is stated by H. S. Potter, Gen. Mgr. of the company, that five miles of the new track has been constructed in Juarez. It already has the use of one bridge in crossing the Rio Grande.

LIGHT AND POWER PLANTS.

(*Denotes that this work is advertised in Engineering News.)

PROCTOR, VT.—The Vermont Marble Co. is preparing to construct a dam and power-house at Huntington Falls.

SPRINGFIELD, MASS.—The city is considering the construction of a central heating plant. Estimated cost, $30,000.

BRIDGEPORT, CONN.—The Connecticut Co. will probably build an addition to its present plant which will double the floor space. To the three large boilers now in use a fourth of equal capacity will be added, and in the new engine room will be installed two steam turbine engines direct-connected to two 2,100-KW. generators.

CHESHIRE, CONN.—Bids will be received until Sept. 9 by the Board of Directors of the State Reformatory, addressed to John Hopkins Clark, Treas., at the office of the Hartford Courant, Hartford, for electric wiring for the State Reformatory in Cheshire. William D. Johnson, Inc., are Archs., 26 State St., Hartford.

ROCHESTER, N. Y.—The Board of Contract and Supply on Aug. 25 awarded contract to the ROCHESTER RY. & LIGHT CO. for supplying power for the Brighton pumping station at $53 per HP. T. H. Yanger is Supt.

NEW YORK, N. Y.—Bids were opened on Aug. 25 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for installing lighting fixtures in the U. S. post-office at New York, as follows: Black & Boyd Mfg. Co., New York, $9,461; Cooper-Hewitt Electric Co., New York, $9,078; Mitchell-Vance Co., New York, $10,366; Wahle-Phillips Co., New York, $12,206.

NEW YORK, N. Y.—Bids were received as follows on Aug. 26 by George McAneny, Pres. Boro. Manhattan, for labor and materials for the installation of new electric elevators in the county court-house building, City Hall Park, Boro. Manhattan: George W. Pratt, $9,975; Reedy Electric Co., $10,500; Otis Elevator Co., $10,485; A. B. See Electric Elevator Co., $11,050.

BUFFALO, N. Y.—Contract for the electric wiring of School 11 has been awarded to McCARTHY BROS. & FORD, 41 East Eagle St., Buffalo, at $3,790. Bids were opened on Aug. 24.

FRANKSTOWN, PA.—Dodge & Day, Consult Engrs., 608 Chestnut St., Philadelphia, have been engaged as engineers for the power plant to be constructed at Frankstown for the Penn Central Light & Power Co. E. B. Greene, Supt., Altoona.

WILCOX, PA.—Contract has been awarded to C. W. BECKLEY, of Warren, Pa., by the Wilcox Glass Bottle Co. for the complete electrical equipment of the company's plant at Wilcox.

WASHINGTON, D. C.—Contract for installing electric protection to entrances and vaults in the U. S. Treasury Department, Washington, D. C., has been awarded to the BANKERS ELECTRIC PROTECTIVE ASSOCIATION, of New York, at $10,220.

WASHINGTON, D. C.—Bids will be received by James Knox Taylor, Superv. Arch., Washington, until Sept. 21, for furnishing and installing lighting fixtures in the U. S. buildings at Corsicana, Tex.; Columbus, Miss.; Fayetteville, N. C.; Hoboken, N. J.; Manistee, Mich.; St. Louis, Mo., and Manchester, N. H.

KEY WEST, FLA.—The city is considering the construction of an electric-light plant.

ENSLEY, ALA.—The Tennessee Coal, Iron & R. R. Co., Birmingham, Ala., will install three turbine electric units of 3,000 KW. each for furnishing additional power to supply deficit in power at rail mill, coal mines, coke ovens, etc.

BIRMINGHAM, ALA.—The City Council on Aug. 22 awarded new contract to the BIRMINGHAM RY., LIGHT & POWER CO., M. S. Sloan, Supt. Light Dept., for arc lights, 2,000 c. p., for a period of five years at $70 per lamp per year.

TUSCUMBIA, ALA.—The city is considering the construction of an electric light plant.

HARTSELLS, ALA.—See item under Water Supply—Irrigation.

OPELIKA, ALA.—We are officially advised that bids were opened on Aug. 31 by the city for the electric light and water plant. The construction bids were rejected. The contracts awarded follow: Stand-pipe, to CHATTANOOGA BOILER & TANK CO., at $6,804; cast-iron pipe and specials to the U. S. CAST IRON PIPE & FOUNDRY CO., of Chattanooga, at $21.60 for pipe per ton and $50 for specials; total, $26,723. T. B. McCrary & Co. are Engrs., Atlanta, Ga.

MEMPHIS, TENN.—The County School Board on Aug. 24 decided to ask for bids for the installation of a heating plant at the new Raleigh school. F. Earnest Miller is Pres. Bd.

LOUISVILLE, KY.—Bids will be received until Sept. 15 by the Board of Public Safety, Edward T. Tierney, Chn., for furnishing material and constructing an underground conduit system for the fire alarm and telegraph department; also separate bids for rubber-covered, lead-enclosed fire alarm cables; and also separate bids for installing the cables.

MOUNT VERNON, OHIO.—Frank L. Packard, Arch., New Haven Bldg., Columbus, is preparing plans for a power-house to be erected here.

HAMILTON, OHIO.—The Board of Control on Aug. 23 awarded contract for furnishing the city with electric light meters to the WESTINGHOUSE CO., of Cincinnati, Ohio.

NEW ALBANY, IND.—The Board of Public Works on Aug. 25 awarded contract to the UNITED GAS & ELECTRIC CO., J. M. Merker, Ch. Elecn., for lighting the streets of the city for a period of ten years at $55.44 per lamp per year.

FRANKLIN, IND.—The City Council is asking for bids for a new heating plant in the city hall.

DEARBORN, MICH.—Donaldson & Meier, Archs., Penobscot Bldg., Detroit, are preparing plans for the construction of a new power-house and equipment for St. Joseph's Retreat, Dearborn. Two new water-tube boilers, engine and a 50-KW. generator will be required.

CANTON, ILL.—C. A. Chapman, Engr., 204 Dearborn St., Chicago, has awarded the structural steel and iron work to VIERLING & McDOWELL for a fireproof power-house at Canton, Ill., for the Parlan-Ohrendorff Co.,

JERSEYVILLE, ILL.—The Alton, Jacksonville & Peoria Ry., W. R. Heagler, Ch. Engr., Alton, will erect a power station here which will furnish electrical energy for the entire proposed line. The company at present leases power from the Alton Gas & Electric Co.

STERLING, ILL.—The Sterling-Moline Traction Co. is planning the construction of a power plant and dam on the Rock River at Lyndon. A. Van Petten, Sterling, is Gen. Mgr.

MILWAUKEE, WIS.—A permit to build an $80,000 addition to the Commerce St. power-house has been issued to the Milwaukee Electric Ry. & Lt. Co. by the Building Inspector. The addition will be 80 x 140 ft. and 72 ft. high, constructed of reinforced concrete and brick. The company has also secured a permit for a sub-station at Clinton and Maple Sts., 40 x 57 ft., to cost $25,000.

AKRON, IOWA.—The town will receive bids for the construction of an electric lighting plant. E. H. Youngstrom is Clk.

ELDORA, IOWA.—E. H. Lundy and George F. Wood, of Eldora, and A. H. Latimer, Engr., Des Moines, have organized the Park Dam Co., of Eldora, and are applying for a franchise in return for which the company proposes to build a concrete dam across the Iowa River here and furnish day and night electrical service to Eldora and vicinity.

DAVENPORT, IOWA.—Contract was awarded on Aug. 25 by the Davenport Locomotive Works to A. A. ARNOLD for the construction of a power-house. Estimated cost, $10,000.

MONTICELLO, IOWA.—The Monticello Electric Light Co. will construct a dam and power-house at Pictured Rocks on the Maquoketa River.

HUDSON, MINN.—Contract for the construction of a dam near here on the Kinnickinnic River has been awarded to R. A. LANG, of Eau Claire, Wis.

ST. PAUL, MINN.—The City and County Board of Control has awarded contract for the heating, lighting and power plant at the city hospital to the HEALY PLUMBING & HEATING CO., of St. Paul, at $28,595. The only other bidder was R. B. Whitacre & Co., of St. Paul, at $40,463. C. H. Johnstone is City Arch.

OAKLEY, KAN.—Bids will be received at the office of the City Clerk until Sept. 14 for furnishing material and labor and constructing an electric light and water system, including one 80-HP. internal combustion engine for a 50-KW. unit, one 50-KW. generator, switchboard, lighting equipment, etc. J. A. Switzer is City Clk.; Burns & McDonnell are Engrs., Scarritt Bldg., Kansas City, Mo.

WAHPETON, N. DAK.—The city is considering the construction of a more modern street-lighting system. It is planned to remove the old system and to erect new posts, four on a block, each side, on which will be installed clusters of five tungsten lamps. The lampposts are identical with those used in the streets of Chicago.

MILES CITY, MONT.—Contracts have been awarded as follows by the city: Powerhouse, to CHARLES STOCKHILL, Miles City, at $6,895; generators, to GENERAL ELECTRIC CO., Schenectady, N. Y., at $5,798; switchboard, to same; armatures, to same; poles, to CORNEY & CO; pile line material, to same; engine, to WHITACRE & CO., St. Paul, Minn., at $3,690; cast-iron pipe, to AMERICAN CAST IRON PIPE CO., at $36,735; pump, to PLATT IRON WORKS, Dayton, Ohio, at $7,500; settling basins, intake and filter walls, to W. D. LOVELL, Minneapolis, Minn., at $38,000; pipe laying, to same, at $13,500; filter, to GREER FILTER CO., Pittsburg, Pa., at $9,200; tower and tank, CHICAGO BRIDGE & IRON CO., Chicago, Ill., at $13,947; hydrants and valves, LUDLOW VALVE CO., of Kansas City, Mo., at $3,241; sewers, to H. C. GASS, of Belleville, Ill., at $59,621.

COLUMBIA, MO.—The city has voted $120,000 of bonds for the construction of an electric-light plant and water-works.

KANSAS CITY, MO.—The dam for the Big Niangua Hydro-Electric Co. will be located on the Niangua River, six miles southwest of Linn Creek and about 120 miles from Kansas City. The dam will be 160 ft. high, 1,458 ft. long, of stone and concrete construction. Estimated cost for construction of dam, installation of machinery and building of transmission line into Kansas City, $2,250,000. Burns & McDonnell, Scarritt Bldg., Kansas City, are Engrs.-in-Charge. Noted on Sept. 1.

LITTLE ROCK, ARK.—The Board of Public Works will spend $7,500 for electric-light plant, 42 × 100 ft. Plans have been prepared by Theodore Sanders, 710 Southern Trust Bldg., Little Rock.

HAZEN, ARK.—The Hazen Power & Light Co. has been incorporated to construct a plant to furnish electric power for industrial purposes and for lights for the town and vicinity.

PLATONIA, TEX.—T. M. Spinks and associates are preparing to begin the installation of an electric light and power plant here. Noted on Aug. 18.

SAPULPA, OKLA.—The Sapulpa Electric Co. has been absorbed by H. M. Byllesby & Co., 218 La Salle St., Chicago, Ill. who contemplate spending $100,000 for improvements and extensions; Harry B. Wales, Grand Rapids, Mich., is Mgr.

IDAHO SPRINGS, COLO.—The Big Five Tunnel, Ore Reduction & Transportation Co., 1824 Curtis St., Denver, Colo., will install a power haulage plant in its central tunnel here which is now nearly 9,000 ft. underground, with about 4,000 ft. of outside track to mills and railway.

DENVER, COLO.—Sanderson & Porter, New York, have contracted with the WESTINGHOUSE ELECTRIC & MFG. CO. for two 1,350-KVA. turbo-generators to be used in the power plant of the Federal Light & Traction Co., Denver. The generators are 3-phase, 60-cycles, 2,300-volt, 3,600 r. p. m. Two No. 8 La Blanc condensers will be used in connection with the steam turbines. The generator fields will be excited by two 50-KW., 125-volt, 2,250-r. p. m. D. C. turbo-generators to be used in connection with a Tirrill regulator. The contract also includes the necessary transformers, lighting arresters, disconnecting switches and switchboard.

ROSWELL, N. MEX.—The plant of the Roswell Electric Light Co. has been purchased by a syndicate composed of Harold T. Clark, George W. York, D. W. Low and C. M. Ernhart, of Cleveland, Ohio, and J. I. Burke, of New York. It is stated that the new owners will enlarge the plant and make other improvements.

DUFUR, ORE.—The City Council has decided to install electric lamps along the streets of the city.

LAKEVIEW, ORE.—The Southern Oregon Water Power Co., lately incorporated with a capital stock of $300,000, will start work soon on a power plant which will furnish light for Lakeview and other neighboring communities. Estimated cost, $149,000.

FLORENCE, ORE.—George H. Miller & Bros. have completed surveys for the construction of a water-power plant near here. They are endeavoring to secure a franchise for furnishing light and power to the city.

SANTA BARBARA, CAL.—JOHN WILLIAMSON has been awarded contract at $10,000 for constructing an addition to the power-house of the Santa Barbara Gas & Electric Co. The building will be of brick and steel construction and will have additional boilers and generators.

LONGBEACH, CAL.—The RICHARDS-NEUSTADT CO., of Los Angeles, has been awarded contract for completing the reinforced-concrete substructure for the power plant of the Southern California Edison Co. Estimated cost, $89,000.

OAKLAND, CAL.—Contract for furnishing electrical equipment for the new building of the Fire Alarm and Police Telegraph Department now being erected on 13th and Oak Sts., bids for which were opened on Aug. 10 by the Board of Public Works, has been awarded to the GAMEWELL FIRE ALARM TELEGRAPH CO. Estimated cost, $12,805.

SANTA BARBARA, CAL.—The Arlington Hotel Co. is receiving estimates upon the cost of installing an electric lighting system and power plant in the new hotel now being erected. A. B. Benten, 114 North Spring St., Los Angeles, is Arch.

SAN DIEGO, CAL.—Contract for the steel work on the engine room at Arctic and D Sts. for the proposed new power-house to be constructed by the San Diego Electric Ry. Co., has been awarded to the ELECTRIC SECURITY CONSTRUCTION CO., of Los Angeles. Noted on Sept. 1.

BISBEE, ARIZ.—The Bisbee Light & Power Co. is arranging to enlarge the capacity of its power plant and to construct electric transmission lines to several towns in this section.

SALT LAKE CITY, UTAH.—An application has been filed with the State Engineer by Francis M. Lyman, Jr., of Salt Lake City, for an appropriation of 30 cu. ft. of the waters of Larley's Creek for power purposes.

MONTREAL, QUE.—Bids are asked until Sept. 12 by the Board of Control for street lighting.

OTTAWA, ONT.—The Municipal Electric Commission has awarded the following contracts in connection with the new power conduit from Chaudiere Falls to the civic distributing station: Transformers to the CANADIAN GENERAL ELECTRIC CO., at $12,000; cable, BRITISH INSULATED CABLE CO., Montreal, at $16,246; conduit pipes, EADIE, DOUGLAS CO., Ottawa, at $2,784; manhole covers, J. B. McLAREN, at 2¼ cts. per lb., for cast iron.

GUANAJUATO, MEX.—The transmission line which the Guanajuato Power & Electric Co. is constructing to San Luis Potosi consists of six copper wires and one ground wire. They will carry 60,000 voltage. Preparations are being made for the erection of a sub-station at San Felipe about 35 miles from here. The new line will be finished about Nov. 15.

MADERA (Chihuahua), MEX.—The Mexico Northwestern R. R. Co. will install an electric power plant of about 4,000 HP. at Madera for the purpose of operating its large lumber mills and other industrial plants.

PARRAL (Chihuahua), MEX.—The Palmillo Mining Co. will erect a large electric power plant near the Palmillo mine for the purpose of generating power for operating the machinery of its mine and reduction mill.

EL TIGRE (Sonora), MEX.—The Copper Queen & El Tigre Mining Companies have entered into a contract by which the mines of the Eltigre Co. and the town situated adjacent thereto are to receive electric power from the large generating plant of the Copper Queen Co. at Douglas, Ariz. The Mexican Government has granted a concession for the construction of an electric transmission line to El Tigre from the international border line. This power cable will be 50 miles long.

BRIDGES.

*(*Denotes that this work is advertised in Engineering News.)*

PORTLAND, ME.—It is reported that surveys are being made for constructing a bridge across the Fore River at a point a short distance east of the Pleasantdale Crossing, by the Boston & Maine R. R. J. P. Snow is Chief Engr.

BOSTON, MASS.—Contract for reconstructing the Albany St. Bridge over the Boston & Albany R. R., has been awarded to NEW ENGLAND STRUCTURAL CO., 110 State St., Boston, at $9,479. Louis K. Rourke is Supt. of Sts. Noted on Sept. 1.

CHESTER, MASS.—It is reported that contract for constructing a concrete bridge with 110 ft. span across the Westfield river, has been awarded to COLEMAN BROS., of Boston, at $19,042.

BINGHAMTON, N. Y.—Bids have been opened by the Town Boards of Fenton and Chenango for the construction of a bridge across the Chenango River. The bids were as follows: United Construction Co., Albany, substructure and steel superstructure with high trusses, $18,578. Owego Bridge Co., substructure and superstructure, with floor, $18,450; without floor, paving, etc., $17,400. Climax Road Machine Co., steel superstructure, 282 ft. in length, with floor, $13,920; substructure and superstructure, $17,543. Owego Concrete Co., concrete arch bridge, $19,000.

ALBANY, N. Y.—Barge Canal Contract No. 79, for constructing a highway bridge over the Oswego canal at Bridge St., Oswego, has been awarded to LUPFER & REMMICK, of Buffalo, N. Y., at $37,480.

NIAGARA FALLS, N. Y.—Plans for the approach of the proposed bridge over the tracks of the New York Central R. R. Co. at Eleventh St., have been completed, and will be submitted to the Grade Crossing Commission. It is probable that the work will be started about Oct. 6.

SCHENECTADY, N. Y.—A proposition has been submitted to the Common Council by E. A. Carter, of Providence, R. I., for the construction of a bridge across Cotton Factory Hollow. His plans call for a concrete arch.

YORK, PA.—Bids have been received by the County Commissioners for erecting a concrete bridge across the Codorus Creek at West College Ave. The lowest bid was that of the Ferro Concrete Co., of Harrisburg, Pa., at $69,800.

WARREN, PA.—Contracts have been let for constructing two concrete bridges in Glade Township, one over Glade Run and the other over Hatch run. Both will replace old iron bridges.

FRANKLIN, PA.—Bids will be received by the Commissioners of Veneango County until 1 p. m., Sept. 21, for furnishing all material and labor for razing the present Venango County bridge, known as the McQuaid bridge over Sugar Creek on the road leading from Franklin to Cooperstown in Sugarcreek Township, and the erection of a new bridge. Bids will be received for either or both of the following: (a) a single span riveted steel girder bridge, 104 ft. over all, with solid reinforced concrete roadway floor, 18 ft. clear width, and the necessary alterations and additions to the present abutments and paving on approaches to meet the requirements of the proposed new superstructure; (b) a bridge consisting of two reinforced-concrete arch spans, of 60-ft. each between the springing lines, with brick paved roadway 18 ft. clear between curbs.

WILMINGTON, DEL.—Contract has been let for constructing a granolithic bridge together with 4½ miles of macadam roads to the CORCORAN CONSTRUCTION CO. of West Chester, Pa. Estimated cost, $37,000.

MIAMI, FLA.—A company has been formed with a capitalization of $30,000 for building a drawbridge over Lake Worth. The bridge will be 20 ft. in width and have a 150-ft. draw, and connect Lake View Ave. with Royal Palm Ave.

LIMA, OHIO.—Bids will be received until Sept. 13, by Board County Commissioners, for erecting steel bridge, with substructure, over Hog Creek. C. R. Phillips is Clk.

LOUISVILLE, OHIO.—It is reported that plans have been completed for constructing a bridge across the Ohio River by the Baltimore & Ohio R. R. Estimated cost $2,000,000.

CLEVELAND, OHIO.—A petition is being prepared for circulation among residents and business places for constructing a bridge from Clark Ave., S. E., to Clark Ave., S. W. Estimated cost, $900,000.

COLUMBUS, OHIO.—The County Engineer of Franklin County has prepared plans and estimates for the reconstruction of the Dublin bridge over the Scioto River for which work bids will be received soon. Estimated cost, $25,000.

MARTIN'S FERRY, OHIO. — Plans have been completed by Arthur Dickson, County Surv., for constructing various bridges throughout the county.

SOUTH BEND, IND.—The County Commissioners have decided to construct three new concrete bridges in the southern part of the city.

SHELBYVILLE, IND.—The County Commissioners have let a contract for the construction of an arch bridge across Fox ford to the NATIONAL CONCRETE CO., at $9,515.

INDIANAPOLIS, IND.—The Board of Park Commissioners are preparing to build a new bridge across Fall Creek at Capital Ave. Dr. Henry Jamison is Pres.

FRANKLIN, IND.—The Commissioners of Johnson County are asking for bids for the construction of seven bridges. N. B. Jennings is Audr.

WARSAW, IND.—Contract for constructing bridges in this city has been let to the following: SUMMEY & CO.; DOTY BROTHERS; VANSKYHARNK & KITCH, and ELKHART BRIDGE & IRON CO.

KALAMAZOO, MICH.—Contract for the construction of a 2 or 3-span reinforced concrete arch on Gull and Mill Sts., will probably be awarded this fall. H. A. Johnson is City Engr. Noted on Aug. 25.

GALESBURG, ILL.—Bids have been received by the Road and Bridge Committee for constructing three concrete bridges located about three miles from Williamsfield.

CHICAGO, ILL.—Contract for painting parts of bridge over Main Channel Sanitary District, has been awarded to WESTERN PAINTING CO., 3535 Armitage Ave., Chicago, at $4,950.

WILMETTE, ILL.—Contract has been awarded to M. GILSDORF & SONS, 166 Randolph St., for a combined highway bridge and pumping station.

BOSCOBEL, WIS.—Bids will be received until Sept. 16 by Commissioner on Streets and Bridges for constructing two foot bridges of cement and steel work and one stone arch highway bridge. W. W. Blair is Clk.

BRODHEAD, WIS.—Contract for constructing a bridge across Sugar River, has been awarded, it is reported, to WM. H. SHONS, of Freeport, Ill., at $4,800.

MANKATO, MINN.—Plans are being prepared by the County Surveyor for the construction of a highway bridge to span the Suens River at Red Jacket Ford. Estimated cost, $10,000.

JOPLIN, MO.—A committee has been appointed by the City Council to investigate and estimate the cost of constructing a viaduct to span the Kansas City bottom from a point at the intersection of Main St. and Broadway.

GONZALES, TEX.—Bids will b received until Sept. 12 for constructing a bridge across Guadalupe River. Estimated cost, $6,000. W. B. Green, County Judge. Samuel Patterson is County Engr. Noted on Aug. 25.

OAKLAND, CAL.—Bids will be received until Sept. 12, by Board Supervisors for constructing a bridge near Brightside. Estimated cost, $10,700.

FRESNO, CAL.—Bids have been received for constructing a bridge across King's River as follows: Hyde, Harjos & Co., San Francisco, $40,478; Burrell Bridge & Construction Co., Oakland, $39,997; Cotton Bros. Co., Oakland, $39,943; Mervy Elwell Co., Oakland, $38,897; Healy Tibbits Construction Co., $38,646; Thomson Bridge Co., San Francisco, $38,247; PACIFIC CONSTRUCTION CO., San Francisco, $35,963 (awarded contract).

LOS ANGELES, CAL.—The Mercereau Bridge & Construction Co., Pacific Electric Bldg., will probably be awarded contract by the Board of Public Works for constructing a reinforced-concrete bridge across the Arroyo Seco at Ave. 33, at $26,439.

SAN JOSE, CAL.—Bids will be received by the Clerk of the Board of Supervisors at the Court-house, until 11 a. m., Sept. 19, for the construction of a reinforced concrete bridge and fill at Campbell Creek on the Saratoga and Mountain View Road. Plans and specifications are on file with Henry A. Pfister, Clk.

SAN DIEGO, CAL.—The following bids have been received by the County Board of Supervisors for the construction of two bridges at Bernardo and Pouray: Charles Steffgen, Los Angeles, $7,790; Mercereau Bridge & Construction Co., Los Angeles, $8,562; Escondido Construction Co., $8,779; Knight & Hyde, $9,650; Standard Iron Works, $10,370.

SANTA BARBARA, CAL.—The Board of Supervisors has rejected all bids for the construction of a bridge over the Santa Ynez River at a point near San Lucas crossing, on San Marcos Pass Road, as excessive.

NAPA, CAL.—Bids will be received by the Clerk of the Board of Supervisors at his office, until 2 p. m., Sept. 13, for building a stone bridge across Chiles Creek just above its junction with Moore Creek in Road District No. 3, in accordance with plans and specifications on file with N. W. Collins, Clk.

SACRAMENTO, CAL.—A contract has been entered into between Sacramento and Yolo counties for the construction of a bridge at M St. Estimated cost, $300,000.

TROY, IDAHO.—Bids will be received by the Board of County Commissioners until 2 p. m., Sept. 13 for the construction of a bridge across the Potlatch River in the Park-Helmer Road, according to plans and specifications filed with A. Ramsdell, Clk., County Comrs.

BUILDINGS.

*(*Denotes that this work is advertised in Engineering News.)*

WINCHENDON, MASS.—Bids are asked by McLean & Wright, Archs., 110 Tremont St., Boston, Mass., until Sept. 16, for constructing the Beals Memorial Library.

OLEAN, N. Y.—Bids were received as follows on Aug. 31 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post-office building at Olean, N. Y.: William H. Fissell & Co., 1133 Broadway, New York, $64,997; William Werner, Brooklyn, $58,426; Durolithic Co., Buffalo, N. Y., $64,062; Ambrose B. Stannard, St. James Bldg., New York, $58,500; Richardson & Burgess, Inc., Washington, $62,045; West Chester Engineering Co., New York, $58,769; Conners Bros., Lowell, Mass., $60,200; Charles W. Peckworth, 415 Hudson St., New York, $62,513.

MALONE, N. Y.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Oct. 12, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Malone.

NEW YORK, N. Y.—Bids are asked by the Department of Public Charities until 2.30 p. m., Sept. 15, for furnishing all the labor and materials required for making certain alterations and repairs to the building known as "Old Nurses' Home," at the Metropolitan Hospital, Blackwell's Island, the City of New York.

An 8-story store and office building to be erected for W. & J. Sloane at the southeast corner of Fifth Ave. and 47th St., on part of the Windsor Arcade Block, will cost $400,000, according to the estimate filed with the plans at the Buildings Department by J. B. Snook's Sons, Archs., 73 Nassau St. Work on the structure will be begun at once. The site, which fronts 100.5 ft. on Fifth Ave. and 200 ft. on 47th St., is owned by Elbridge T. Gerry. The building will be of fireproof construction with facades of brick and limestone.

Plans for the standard pattern firehouses to be erected in the most congested districts shown by the late census are complete and R. Waldo, Fire Comr., is ready to begin work. Eighteen will be erected as soon as possible and two others somewhat later. These firehouses will be fireproof and built without wood. By standardizing the new houses the Commissioner expects to save money. The new houses will cost about $30,000 to $40,000 for the small and $50,000 to $60,000 for the larger ones. The sites of the new houses follow:

Manhattan—111th St. and Second Ave.; 50th St. and Lexington Ave.; 181st St., between Amsterdam and Audubon Aves., and 191 Fulton St.

The Bronx—Morris Ave., between 168th and 169th Sts.; Prospect Ave. and 152d St., and Bailey Ave. and Albany Road, Unionport.

Richmond—Sarah Ann and Hanna Sts., Tompkinsville.

Brooklyn—489 and 491 St. John's Pl., Twelfth Ave. and 42d St., 582 Knickerbocker Ave., 244 and 246 Lorain St., Metropolitan Ave. and Varick St., and Seventh Ave. and 50th St.

Queens—Spruce St. and Atlantic Ave., and Central and Mott Aves.

The designs for the new houses show a basement simply treated in stone, and above this and extending up through the remaining stories of the building a series of windows with pilaster treatment on either side. The only ornamental feature of the front consists of the arms of the city in low relief panel at the second story level.

NEW YORK, N. Y.—The New York Central & Hudson River R. R. Co. has purchased the property of the Howard & Childs Brewing Co. at 32d and 33d Sts., between Tenth and Eleventh Aves. With this purchase the company has secured, for sums aggregating about $1,000,000, the entire block just back of the Pennsylvania R. R. terminal, with the exception of a few scattered parcels on the Tenth Ave. side, which were not required by the railroad. This block will be a site of an improvement costing about $500,000 to house the Adams and American Express companies now located in the Grand Central Terminal on Madison Ave. between 46th and 48th Sts. The express companies were provided for in the original plans in a building to be erected on the Lexington Ave. side of the new Cen-

tral Terminal, but as the work made progress it was found necessary to change the plans and it is probable that the express buildings will be permanently located on the West Side. It is stated that the new terminal will be brought further west toward Madison Ave. than was originally intended and for that purpose about 30 or more dwellings in 47th, 48th, 49th and 50th Sts. have been purchased by the company. This will balance the greater terminal and a tunnel loop for handling suburban traffic will be built through the additional land. All suburban traffic will form a continuous chain through the third level of the station and express and through trains will use the second level.

Contracts for the erection of school and church buildings in Brooklyn for the St. John's (Roman Catholic) parish, have been awarded to THOMAS REILLY, 5872 Ellsworth St., Pittsburg, by Bishop Mundall, of Brooklyn. The buildings will be built of Bedford stone and will be fireproof throughout. The cost of the buildings will be $470,000.

The Y. M. C. A. has purchased 6 to 20 East Third St., on which it will erect a building. The site has a frontage of 153 ft. on the south side of Third St., about 140 ft. east of the Bowery, and adjoins the property of the Dry Dock Savings Bank, on the Bowery corner. The plot is 60 ft. deep, and backs up on the old Marble Cemetery, which occupies the middle of the block bounded by Second and Third Sts., the Bowery and Second Ave. Seven old dwelling houses at present occupy the site.

ITHACA, N. Y.—E. L. Williams, Treas., Cornell University, is receiving bids for construction of an addition to the New York State Veterinary College, including heating, ventilating, plumbing and electrical work. Franklin B. Ware, State Arch., Albany, N. Y., prepared the plans.

William H. Miller, Sage Bldg., has plans in preparation for an infirmary building, of structural steel with cement stucco exterior, on hollow tile walls. The main building will be 38 × 100 ft., with two wings, each 31 × 32 ft., three stories and basement. The structure will be erected by Cornell University on the Uuiversity Campus. Estimated cost, $60,000.

BINGHAMTON, N. Y.—Edward C. Vosburg, Savings Bank Bldg., has completed plans and is receiving bids for a 5-story and basement mercantile building, 111 × 125 ft., of brick, structural steel and concrete, to be erected on Washington St. by Newell & Truesdell, wholesale grocers. Estimated cost, $80,000.

UTICA, N. Y.—The Mohawk Valley Cap Co. has completed plans and is receiving bids for a warehouse and factory building, 125 × 100 ft., three and four stories, of brick and structural iron to be erected at Broad and Mohawk Sts.

BUFFALO, N. Y.—Green & Wicks, Archs., 110 Franklin St., have completed plans for a Sunday school building of brick, two stories, to be erected by the Richmond Ave. M. E. Church, adjoining the main church building at the corner of Richmond Ave. and West Ferry St. W. P. Volgamore is Chn. Bldg. Com., Erie County Bank Bldg.

George L. Spang, Arch., 107 Erie County Bank Bldg., is having plans prepared for a store and office building, 62 × 200 ft., of brick, steel and concrete construction, to be erected at 735 Main St., extending through to Washington St.

Green & Wicks, Archs., 110 Franklin St., are completing plans for a residence of stone and structural steel, to be erected at 737 Delaware Ave. for Stephen M. Clement, Pres. of the Marine National Bank. Estimated cost, $100,000.

BLASDELL, N. Y.—The Board of Education is having plans prepared by Thos. W. Harris, Arch., Erie County Bank Bldg., for a 2-story and basement school building, 84 × 64 ft., of brick, to be erected here.

SYRACUSE, N. Y.—Albert E. Westover, Arch., Keith Bldg., Philadelphia, has finished plans and will soon call for bids for a 7-story and basement theater and office building to be erected in this city by B. F. Keith, of Boston. It will have a structural steel frame, stone, brick and terra cotta walls, concrete and mosaic floors, and marble tiling. Estimated cost, $300,000.

WEEHAWKEN, N. J.—An official of the New York Central & Hudson River R. R. is quoted as saying that if a terminal is to be built for the West Shore road it will not be in Manhattan, but in Weehawken. More than 1,000 ft. of upland and riparian frontage along the North River, near the terminal of the West Shore at Weehawken, has been purchased by the New York Central for the future use of that railroad, he said. G. W. Kittredge is Ch. Engr., N. Y. C. & H. R. R. R., Grand Central Station, New York.

ATLANTIC CITY, N. J.—The ROYDHOUSE, AREY CO., Fidelity Bldg., has been awarded the contract to erect a 5-story addition to the Hotel Dennis, Atlantic City. It will measure 138 × 47 ft. and the wing, 35 × 46 ft. The cost will be $200,000.

PHILADELPHIA, PA.—The Roman Catholic Home for Destitute Children is about to erect a group of buildings on a 4-acre plot at 29th St. and Allegheny Ave., recently purchased by Archbishop Ryan for the purpose. The buildings will be of brick and concrete and will be designed by E. F. Durang & Son, 1200 Chestnut St. The cost will be about $100,000. The present home of the institution, on Race St. below 18th St., was purchased last year by the city for $150,000, and will form a portion of the eastern end of the Parkway.

At a meeting of the Property Committee of the Board of Education, held on Aug. 30, proposals for the construction of a third story to the Francis Read School, 78th St. and Buist Ave., were submitted as follows: By Mitchell Brothers, $54,978; William Christy & Son, $56,261; J. H. Jordan, $51,182, and H. B. Baton, $39,630. Those bidding for the erection of two new wings to the Philip H. Sheridan School, Ontario and G Sts., included Mitchell Bros., $95,767; B. Ketcham's Sons, $101,248; William J. Smith's Sons, $99,471, and H. B. Baton, $109,750.

A contract has been let to the WILLIAM STEELE & SONS CO., 1600 Arch St., for a 7-story brick printing building, 93.2 × 67.7 ft., at the southeast corner of 16th and Appletree Sts. for the Estate of Stephen Greene. Cost, $93,000.

PHILADELPHIA, PA.—EDWARD FAY & SON, 1521 Ranstead St., will erect five three-story store and flat buildings at the southwest corner of 60th St. and Haverford Ave. for William Freihofer. Cost, $41,000.

Mahon & Obenland will erect 30 2-story dwellings, each 15.6 × 50 ft., and two stores, 16.4 × 52 ft., on the east side of 15th St., from Wingohocking to Courtland Sts., at a cost of $62,800.

WILLIAM J. SMITH has the contract for the erection of 3-story wings, 41 × 35 ft. and 34 × 35 ft., to the public school at 30th and Gordon Sts., at a cost of $44,457.

John L. Fry will build 14 2-story houses, 15.8 × 54 ft., at 700 to 726 South 60th St., to cost $43,000.

WOODLAWN, PA.—The Jones & Laughlin Steel Co., Ross St., Pittsburg, Pa., has let a contract to WALLACE & CARLEY, of Sharon, Pa., for the erection of 96 more houses in Woodlawn. The new houses will be erected on Plan 12 of the Woodlawn Land Co., at the head of Franklin Ave. They are to be brick veneer, built in blocks of six, each to have six rooms and bath. Estimated cost, $250,000.

CLEARFIELD, PA.—H. B. & A. C. Stevenson will build 196 dwelling houses and stores on Allegbany Ave., 25th and 26th Sts., Clearfield.

WALLINGFORD, PA.—The Rose Valley Improvement Co. will build 20 2 and 3-story residences of hollow tile at Wallingford, to cost from $2,000 to $5,000 each.

WASHINGTON, D. C.—We are officially advised that an 8-story theater and office building, to cost $900,000, will be erected at 15th and G Sts., N. W. It will be of marble and terra cotta construction and will measure 176 × 115 ft. Bids will be received early in the fall. J. H. de Sibour, Hibbs Bldg., is Arch.

J. E. & A. L. PENNOCK, Land Title Bldg., Philadelphia, Pa., have been awarded the contract for the erection of a $300,000 church for the St. Matthews Roman Catholic Congregation of Washington. La Garge & Morris, New York, are Archs.

COLUMBIA, S. C.—According to a recent announcement, ground will be broken on Oct. 1 for the proposed Y. M. C. A. building to be erected here. It will cost approximately $90,000.

BIRMINGHAM, ALA.—Work will start soon on the proposed $250,000 Y. M. C. A. building and the $75,000 Y. W. C. A. structure, the money for both of which has been subscribed. Plans for the Y. M. C. A. building are about complete, and as soon as they are delivered by the architect contracts will be let. The lot has been secured.

DYERSBURG, TENN.—The Court-house Committee, composed of George T. Weakley, W. A. Fowlkes, Jr., J. H. Jones, Jas. T. Harris and J. W. Rawles, has awarded to the LESTER CONSTRUCTION CO., of St. Louis, a contract for building a court-house here for the sum of $60,000, to be completed in five months. The contract will be let soon for demolishing the old court-house.

COLUMBUS, OHIO.—We are officially advised that the Central Ohio Paper Co. on Aug. 30 awarded the contract for the construction of its proposed 5-story reinforced-concrete fireproof paper warehouse in East Gay St. to the FERRO-CONCRETE CONSTRUCTION CO., Richmond and Harriet Sts., Cincinnati, at a figure approximating $60,000. The plans for the building were drawn by Otto C. Darst, Arch., Brunson Bldg. It will be 64 × 105 ft. ground plan, five stories high and equipped with elevators.

STEUBENVILLE, OHIO.—We are officially advised that Price & McLanahan, Archs., 1624 Walnut St., Philadelphia, have submitted sketches for the proposed Pittsburg, Cincinnati, Chicago & St. Louis Ry. station here. The sketches have been approved and the architects are working on the detailed drawings. The building will be of brick construction, one story high, 240 × 40 ft., and contracts will be let in about two months. W. C. Cushing is Ch. Engr. M. W., Pittsburg. The company is controlled by the Pennsylvania R. R. Co.

CINCINNATI, OHIO.—A 16-story building will be built on the site recently purchased on West Seventh St. by Jefferson Livingston, it is stated. The estimated cost is $300,000.

An ordinance has been passed granting the Cincinnati Union Depot & Terminal Co. a franchise to erect a passenger depot for steam and electric lines entering the city. The building is to front on Fourth St., between Walnut St. and Main St., and is to cost, together with tracks and ground, $30,000,000. Noted fully on May 19.

TERRE HAUTE, IND.—The Memorial Hall Association will soon ask for bids for the erection of a Memorial Hall. Nicholas Filbeck, George W. Kritenstein and Homer L Sties are Dirs.

LA PORTE, IND.—Francis Morrison has ordered plans for the erection of a 2-story brick building, 50 × 130 ft., to be built of pressed brick with stone trimmings and steam heat. The contract will be let by C. C. Stevens, Arch.

FRENCH LICK, IND.—Thomas Taggart, Pres. of the French Lick Hotel Co., has ordered plans for the construction of an addition to the French Lick Hotel. It will be a steel frame of fireproof and Roman brick and stone, and all the floors will be of concrete. The interior will be of colored marble and the trimmings of bronze. Estimated cost, $250,000. D. A. Bohlen & Son, Majestic Bldg., are the Archs.

INDIANAPOLIS, IND.—Charles W. Fairbanks has ordered plans on which bids will be asked for the erection of a residence on Meridian and 30th Sts. The building will be of Colonial style and of brick and stone construction.

ROCHESTER, IND.—The Fulton Bank Co. will soon ask for bids for the erection of a bank building. Stephen Parcel is Arch.

MUSKEGON, MICH.—Vanderwest & Pease, Montgomery Bldg., are preparing plans for a bank building for the Hackley National Bank. The architects will take figures about Oct. 15. The cost will be $45,000.

SAGINAW, MICH.—C. L. Cowles, 114 North Washington Ave., has let the following contracts for the new office and warehouse, five stories and basement, 136 × 219 ft., for Symons Bros. Co., William Hall, Secy., 200 North Washington St.: Masonry, to JOHN INALLMAN, Saginaw, and carpentry to WINKLER & REINERT, Saginaw. The building is to cost $90,000.

CADILLAC, MICH.—Perkins & Hamilton, Archs., 132 Clark St., Chicago, Ill., are preparing plans for alterations and additions to the high school at Cadillac for the Board of Education. A fan system of steam heating, ventilating, modern plumbing is to be installed, and the roof will be either slate or tile. Cost, $75,000.

KALAMAZOO, MICH.—J. C. Llewellyn, Arch., 164 Dearborn St., Chicago, Ill., has awarded the steel contract to the MORAVA CONSTRUCTION CO., 204 Dearborn St., Chicago, for a 6-story hotel, 130 × 160 ft., at Kalamazoo, for John H. Burke. It will be of steel, tile and concrete construction. The terra cotta and tile work will be figured on shortly. Cost, $300,000.

ELMHERST, ILL.—Berkley Brandt, Arch., 9 Jackson Boulevard, Chicago, will prepare plans for a dormitory with 100 rooms, chapel and gymnasium. It will be three stories, 90 × 119 ft., to cost $50,000, at Elmhurst, Ill., for the Evangelical Lutheran congregation. It will be of brick, stone and steel, or brick and mill construction, and have steam heating, hardwood finish and modern plumbing.

AURORA, ILL.—Jarvis Hunt, Arch., 98 Jackson Boulevard, Chicago, is preparing plans for a $75,000 fireproof residence to be built at Aurora, Ill., for J. C. Copley.

LISLE, ILL.—H. J. Schlacks, 95 Randolph St., Chicago, Ill., Arch., has awarded the masonry contract to LAUTH & BUMAN for an $80,000 orphans' home, 56 × 152 ft., with two wings 34 × 50 ft., to be erected at Lisle, Ill., for the Bohemian Orphan Asylum, Father Procopius Neusil, Pastor. It will be of pressed brick, concrete and steel, fireproof construction, with steam heating, oak finish, modern plumbing and ventilation.

MATTOON, ILL.—Hyland & Green, Archs., 42 Madison St., Chicago, Ill., have awarded the general contract to G. W. STILES, Rookery Bldg., Chicago, for a 3-story bank and office building, 46 × 110 ft., at Mattoon, Ill., for the Mattoon National Bank, C. E. Wilson, Pres. It will be of brick, stone and steel construction, with steam heating, hardwood finish and tile flooring.

CHICAGO, ILL.—It is the intention of William Morris, Inc., to erect a 20-story building, to contain a theater, at Madison St. and Wabash Ave. The building is to be 260 ft. high, and the first five stories will be occupied by the theater and the theatrical office, including the headquarters of the American Music Hall Co., William Morris, Inc., and William Morris Western. Besides the theater and its appurtenances and the roof garden the structure will contain 303 offices. It will be of brick and steel, and finished in white Italian tile. The stage will be 97 ft. wide, 34 ft. deep, and will have a 39-ft. proscenium. The auditorium will have a seating capacity of 2,204 persons. The floor area of the theater will be 12,000 ft. The theater will be built as a music hall. The building will cost about $3,000,000.

L. E. Stanhope, Arch., 184 La Salle St., has let foundation contract to FOX & KLIPFEL, 138 Washington St., for a $100,000 building, 100 × 150 ft., to be erected at northeast corner Michigan Ave. and 44th St., for the Eighth Church of Christ, Scientist. It will be of stone construction and tile roof.

J. S. Flizikowski, Arch., 70 La Salle St., is preparing plans for an $80,000 school and church building, three stories, 74 × 150 ft., to be erected at 48th and Lincoln Sts. for Rev. Karabacz, pastor. It will be of pressed brick construction, with stone trim, composition roof, hardwood finish, steam heating, modern plumbing and ventilation.

J. Duncan, Arch., 87 Washington St., is receiving estimates on a $65,000 building, 44 × 120 ft., to be erected at Clark St. and Diversey Boulevard, with a seating capacity of 800. It will be of pressed brick, terra cotta, steel and tile, fireproof construction, with steam heating, mosaic work, modern plumbing and ventilation.

CHICAGO, ILL.—J. S. Flizikowski, Arch., 70 La Salle St., has awarded the masonry contract to THEODORE OSTROWSKI; carpentry to FRANK WARGOWSKI, and plumbing and heating to SWIWISKI PLUMBING CO., at South Chicago, for an $80,000 church and school building, three stories, 74 × 160 ft., at Marquette, Saginaw Ave. and 84th St., for Rev. Kowalewski. It will be of pressed brick construction with hardwood finish and steam heating.

The Hartman Furniture & Carpet Co. will build a structure, which will be a combination administration building and warehouse, costing about $375,000, and will be on La Salle St. south of 39th St. For the erection of this building a loan of $275,000, in the shape of a bond issue, has been obtained. Augustus S. Peabody, of Peabody, Houghteling & Co., is the Trustee of the trust deed, which covers the holdings of the Hartman company of lots 275 × 92 ft. on La Salle St., 130 ft. south of 39th St., and 214 ft. frontage on Wentworth Ave., 125 ft. south of 39th St.

ST. CHARLES, ILL.—Schock & Swanson, Archs., 164 Dearborn St., Chicago, are preparing plans for a $75,000 church at St. Charles, Ill., for St. Patrick's congregation, Father Carse, Rector. It is to be of pressed brick construction, with hardwood finish and steam heating.

OAK PARK, ILL.—CADENHEAD & CO., 145 La Salle St., Chicago, have the carpentry work for a $50,000 addition to the Oak Park high school. William Hatch is Supt.

LA CROSSE, WIS.—The contract for the erection of the proposed St. Michael's Orphans' Home has been awarded to PETER NELSON, this city, for $70,271. The building will be three stories high, of brick and stone. The main building will be 77 × 202 ft., with a power-house and hospital ward, 44 × 51 ft., separate.

MILWAUKEE, WIS.—We are officially advised that plans are being prepared for a main building and two branch buildings to be erected by the Second Ward National Bank. The main structure will be at Third and West Water Sts., one branch at North Ave. and Third St. and the other at Twelfth and Vliet Sts. The branches will be constructed of stone and brick, with steel reinforcements, in renaissance style. Kirchhoff & Rose, Majestic Bldg., are the Archs.

*WINNEBAGO, WIS.—Bids will be received by the State Board of Control, of the State of Wisconsin, at its office, in the Capitol Building, Madison, Wis., until 4 p. m., Sept. 12, for furnishing all the material and labor necessary for the erection and completion of a hospital for the criminal and violent insane at the Northern Hospital for the Insane, Winnebago, Wis., according to the plans and specifications, prepared by Foeller & Schober, Archs., Green Bay, Wis. The contract does not include the plumbing, heating and lighting. Elmer Grimmer is Pres.

LINCOLN, NEB.—Hyland & Green, Archs., 42 Madison St., Chicago, Ill., have awarded the granite work to HARDWICK GRANITE WORKS for an 8-story building, 50 × 142 ft., to cost $200,000, at Lincoln, Neb., for the First National Bank of Lincoln. It will be of steel and tile construction.

ST. LOUIS, MO.—Plans are being completed for a Masonic Temple to be built here at a cost of $750,000. A building 180 × 175 ft. and seven stories high is contemplated. The first floor will be given over to a theater capable of seating 4,000 people.

HOT SPRINGS, ARK.—Bids will be received until 11.30 a. m., Sept. 10, by Maj. G. D. Deshon, Q. M., Medical Corps, U. S. A., Hot Springs, for the construction of public buildings at the Army and Navy Hospital. Plans and specifications are on file at the office of Engineering News, New York.

PALESTINE, TEX.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has awarded contract for the construction of a post-office at Palestine, Tex., to the McHENRY-BEATTY CO., East Liverpool, Ohio, at $66,025. Time, Feb. 1, 1912.

HOUSTON, TEX.—A 4-story building of brick construction, to cost approximately $150,000, will be erected in Houston by the Armour Packing Co. of Chicago. The announcement was made Monday by the local representative of the Armour company. The building will be located at the corner of Fannin St. and Commerce Ave., on the site of the old building, which was destroyed by fire several weeks ago. The building will be four stories in height and will cover a floor space of 85 × 100 ft. The work of construction will start within three weeks.

The Southern Pacific authorities have recently accepted the bid of WILLIAM MILLER & SONS, who are now completing the 16-story Carter building on Main St. in this city, for the erection of a 9-story office building at Travis St. and Franklin Ave. to be occupied by the offices of the railroad lines. Excavation work will begin at once. The time set for the completion of the building is twelve months after the commencement of work. The contract let to the Miller firm calls for the building and plumbing only. Contracts for power, heating, electric wiring, elevators and other fixings and fixtures to the building will be let to special bidders. With the exception of two floors and a part of the first, the building will be used to house the offices of the Sunset-Central lines. These offices are now distributed about the downtown district in twelve buildings. The building will cost $725,000. Including the basement the building will contain 130,000 sq. ft. of floor space, the basement and first floor occupying the entire building lot, while the floors above will be in the shape of an "L." On Travis St. the building will front 174.5 ft. and on Franklin Ave. 145 ft. The entrance will be on the Franklin Ave. side. The construction will be of steel framework imbedded in concrete. The facing will be of brick, color, shape and finish not yet decided upon, as also the front and first floor external. Thornwell Fay is Gen. Mgr.

ROSEWELL, N. MEX.—The H. L. STEVENS CONSTRUCTION CO., of El Paso, Tex., has been awarded the contract to erect a 4-story reinforced concrete business and hotel building for S. E. Allison. It will cost $100,000 and will be 50 × 198 ft., and fireproof. Three elevators and a vacuum cleaning system will be installed. Trost & Trost are Archs., El Paso.

SEATTLE, WASH.—The Realty Owners Syndicate, 216 Cherry St., announces that work will be started soon on the erection of the proposed $125,000 8-story hotel building at Seventh Ave. and Olive St., designed by W. P. White, Arch., Central Bldg., Seattle. The foundation was built several months ago. The building will be 60 x 80 ft., of brick and terra cotta, with steel frame, and the halls will be finished in marble and tiling. MEGRATH & DUNAMEL have the general contract.

The City Council has decided to issue $1,000,000 worth of bonds for a city hall on the site bounded by Third and Fourth Aves., Yesler Way and Jefferson and Terrace Sts. R. H. Thomson is City Engr.

SEATTLE, WASH.—The contract for the construction of the Sherman, Clay & Co. building at Pine St. and Third Ave., has been awarded to FRANK ALLEN, INC.,

Crary Bldg., and operations will begin within the next two months. The building will be a 3-story and basement, steel frame, of reinforced concrete. G. H. Perkins is the Arch. Estimated cost is $100,000.

Charles H. Frye, Pres. and Gen. Mgr. of the Frye-Bruhn Co., states that he expects to be ready soon to take figures for a general contract for the construction of a 4-story brick building to be erected on Western Ave. and to occupy the whole of that block between Seneca and Spring Sts. The plans have been completed for some time. The structure will contain a refrigerating plant for the Frye-Bruhn Co. and store rooms will occupy the first floor. The plans were drawn by the company's engineers.

TACOMA, WASH.—A. Fay, Russell & Babcock, Archs., Central Bldg., have been commissioned to prepare plans for an $80,000 brick church building for the Sixth Ave. Baptist Church, Tacoma. It will be 75 × 120 ft. and will be of Gothic style of architecture. The auditorium will have a seating capacity of 800 persons, and on the same floor will be Sunday school rooms, etc. This floor will be elevated from the ground, and the concrete basement, which will be finished up and divided into rooms, will be partly below the ground surface and partly above.

BAKERSFIELD, CAL.—Soffill & Long, Archs., are preparing plans for a 3-story brick hotel building, 57x120 ft., to be erected at 21st and I Sts. for Mrs. M. J. Forsythe. Estimated cost, $45,000.

LOS ANGELES, CAL.—The County of Los Angeles has awarded contract to the UNION IRON WORKS, Fourth and Mateo Sts., for the erection of steel and iron work for a museum building at Agricultural Park. Cost, $43,750.

LOS ANGELES, CAL.—Plans for an 8-story office building to be erected at the southwest corner of Hill and Third Sts. for the Ferguson Co., have been completed by George H. Wyman, Arch., Herne Bldg. It will be a brick and reinforced concrete structure and will cover a ground area of 91 × 61 ft. The exterior walls will be light-colored pressed brick, with window-sills of terra cotta and trimmings of the same material. The floors throughout will be of reinforced concrete and hollow tile, and the partition walls will be constructed of steel and Arden plaster. The general contract for the five stories has been let to the ALTA PLANING MILL CO. for $125,000. The total cost for an 8-story building will be about $300,000. Construction is to be completed by May 15, 1911.

BOISE, IDAHO.—H. J. Schlacks, Arch., 95 Randolph St., Chicago, Ill., has awarded the general contract to H. ELLENBERGER & CO., 153 La Salle St., Chicago, for a 10-story building, 75 x 163 ft., to be erected at Boise, Idaho, for John Lemp. It will be of brick, steel, tile and terra cotta fireproof construction, with hardwood finish, marble and mosaic work, steam heating, electric elevators and modern plumbing. Cost, $360,000.

DES MOINES, IOWA.—The announcement has been made by the Brotherhood of American Yeomen that the order would immediately commence the construction of a $90,000 building in Des Moines to be used for headquarter offices. The structure will be fireproof. It will be erected at Fifth and Park Sts., adjoining the present building, owned and occupied by the Yeomen.

OTTAWA, ONT.—Bids are asked by R. C. Desrochers, Secy. Public Works, until Sept. 14, for the construction of a public building at Ottawa.

VICTORIA, B. C.—The Grand Trunk Pacific Ry. Co. is reported to have purchased land in Victoria costing $250,000, upon which to erect a hotel opposite the Provincial Parliament Buildings

WATER SUPPLY—IRRIGATION.

(*Denotes that this work is advertised in Engineering News.)

EAST HARTFORD, CONN.—Bids will be received by the Board of Commissioners of East Hartford Fire District, E. E. King, Pres., until Sept. 12, for the construction of about seven miles of 10, 12, 14 and 16-in. water main. All pipe and lead to be furnished by the district.

EAST HARTFORD, CONN.—The Commissioners of the East Hartford Fire District have awarded contract for furnishing about 2,000 tons of pipe and four tons of casting to the STANDARD CAST IRON PIPE CO., of Bristol, Pa., at $22.50 per ton for pipe and $49 per ton for castings. Other bidders were: Donaldson Iron Co., Evans, Pa., $23.23 and $50; Warren Foundry & Machine Co., York, Pa., $24 and $48; U. S. Cast Iron Pipe & Foundry Co., Philadelphia, Pa., $22.60 and $50; Florence Iron Works, Philadelphia, $22.90 and $49.25.

NEW YORK, N. Y.—Bids are asked until 2 p. m., Sept. 14, by Henry S. Thompson, Comr. Water Supply, Gas and Electricity, for furnishing and delivering c.-i. pipe, special castings and valve box castings.

NEW YORK, N. Y.—Bide are asked by Henry S. Thompson, Comr. Water Supply, Gas and Electricity, until 2 p. m., Sept. 14, for hauling and laying water mains and appurtenances in City Island Ave. and intersecting streets, in City Island, Boro. of the Bronx.

NEW YORK, N. Y.—Bids were received as follows on Sept. 1 by Henry S. Thompson, Comr. Water Supply, Gas and Electricity, for furnishing, delivering, erecting and connecting complete in place and ready for operation the necessary steam fittings and appurtenances, economizer breeching, boiler feed pumps, feed water heaters, etc., and electric lighting equipment at the remodeled Ridgewood, North Side pumping station, Atlantic Ave., near Logan St., Boro. Brooklyn: James Curran Mfg. Co., 512 West 36th St., $39,978; E. Rutzler Co., $46,917; Lord Construction Co., $41,340.

NEW BRIGHTON (S. I.), N. Y.—Bids were opened on Aug. 24, by the Department of Water Supply, Gas and Electricity for furnishing and laying water mains and appurtenances in Southfield Boulevard, Parkinson, Grassmere and other streets. The lowest bid was that of Murphy Bros., of Bath Beach, Brooklyn, at the following prices: 5,000 tons c.-i. pipe, $30.71; 200 tons c.-i. castings, $50; 100 tons c.-i. castings, $44; 42,500 lin. ft. 24, 20 and 16-in. pipe, 30 cts.; 20,000 lin. ft. 12-in. pipe, 25 cts.; 8,000 lin. ft. 8-in. pipe, 24 cts.; 1,500 lin. ft. 6-in. pipe 18 cts.; 25 cu. yds. brick masonry, $2; 25 cu. yds. concrete masonry, $5; 2,000 lbs. wrought iron, 3 cts.; 100 cu. yds. broken stone, 50 cts.; 40 sq. yds. granite block, $1.25; 300 sq. yds. granite block, 30 cts., 650 sq. yds. asphalt block, $2.25; 380 sq. yds. iron slag, $2.70; 9,000 sq. yds. macadam, 25 cts.; 1,000 cu. yds. extra excavation, 50 cts.; 100 cu. yds. rock excavation, $2; 200 lin. ft. vitrified pipe, 50 cts.; total, $210,442. Other bids were: N. Y. & Port Chester Contracting Co., 215 West 125th St., New York., $216,495; L. D. Gregory, 342 East 125th St., New York, $227,259; J. H. Holmes, 87 Nassau St., New York, $287,060; Daly, McAvoy & Grippo, 303 East 127th St., New York, $242,973; Soraci Contracting Co., 170 Broadway, $232,491; J. J. O'Connell, New York, $232,255; Hagerty Drummond, 41 Park Row, New York, $216,812; R. E. Henningham, 1 Madison Ave., New York, $228,175; Jos. Johnson Sons, West New Brighton, $230,853.

LESTERSHIRE, N. Y.—The Water Board, it is reported, has awarded to SCHULTE & GEERS, contract for improvements at the pumping station, including the construction of a concrete and brick filter plant.

ALBANY, N. Y.—The State Water Supply Commission on Aug. 25 approved plans for new sources of water supply at Hornell, Youngstown, Croton-on-Hudson and Moravia.

*ITHACA, N. Y.—Bids will be received by Donald F. McLeod, City Engr., until 7.30 p. m., Sept. 24, for clearing a reservoir site of about 40 acres, constructing an earth embankment containing about 5,000 cu. yds. constructing a dam containing about 7,700 cu. yds., of concrete and requiring the excavation of about 4,300 cu. yds. of rock and furnishing and laying about 9,000 ft. of 24-in. c.-i. pipe.

BUFFALO, N. Y.—The Mayor has signed the $1,000,000 bond issue for water improvements.

BINGHAMTON, N. Y.—Bids will probably be asked about Nov. 15 by the Board of Water Commissioners, John D. Davidson, Secy., for the construction of a reservoir. Clinton L. Bogart is Consulting Engr., 57 East 129th St., New York.

*CANAJOHARIE, N. Y.—We are officially advised that contracts for water improvements, bids opened on Aug. 25, have been awarded as follows: Construction to WELLS BROUGHTON & CO., of Troy, at $49,860; wood pipe to A. WYCKOFF SON CO., Elmira, at $38,608, and cast iron pipe to CHARLES MILLAR & SON CO., Utica,, at $8,536.

IRONDEQUIST, N. Y.—The city is considering the construction of a new water-works system.

TARENTUM, PA.—The Council has passed ordinances providing for the construction of a municipal water plant and a garbage plant.

LONACONING, MD.—The Lonaconing Water Co., will construct a dam and reservoir on Koontz Run to increase the water supply. A. M. Evans may be addressed.

NORFOLK, VA.—The city is having plans prepared for a system of water mains in Colonial Ave. and Manteo St. north of Jamestown Ave., and in 23d, 21st and Colley Sts. W. T. Brooke is City Engr.

KEYSER, W. VA.—The Town Council and Citizens' Committee have received bids for the construction of a concrete core dam, capacity 30,000,000 gallons, and for a guard wall around the dam. W. A. Liller, 50-54 Mineral St., Keyser, has submitted the lowest bid at $19,764.

TIMMONSVILLE, S. C.—The citizens, on Aug. 23, voted to issue $30,000 of bonds for water-works and $5,000 for sewers. J. Newton Johnston, of Florence, is Engr.

BARTOW, FLA.—The city has decided to extend the water mains.

ST. PETERSBURG, FLA.—See item under Streets and Roads.

HARTSELLS, ALA.—Bonds for the construction of a water-works and electric light plant were voted by the citizens on Aug. 24.

ANNISTON, ALA.—The City Council has granted a franchise to the Anniston Water Supply Co., to lay and maintain water mains, sewers, etc.

HENDERSON, KY.—The city is considering the installation of a water-filtering plant. W. I. Thompson is Mayor.

DAYTON, OHIO.—Bids will be received until Sept. 15 by the Department Public Service, William A. Budroe, Secy., for furnishing f. o. b., cars, Dayton a single-stage, double-suction, horizontal, centrifugal, turbine pump direct connected to a horizontal, 3-phase, 60 cycle, 220 volt A. C. motor, with suitable starting apparatus and a duplicate set of wearing parts of proposed pump.

NOTTINGHAM, OHIO.—Bids will be received until Sept. 24 by J. C. Steinicke, Village Clk., for constructing water mains in portions of Sackett Ave. and St. Clair St.; also for constructing a sewer in portions of Sackett Ave. J. B. Davis & Son are Engrs., 207 The Arcade, Cleveland.

CLEVELAND, OHIO.—Contract will probably be awarded this fall for the construction of a high-pressure water system. Estimated cost, $175,000. Leslie C. Smith is Supt. W.-Wks.

AKRON, OHIO.—The city is considering the expenditure of $2,000,000 for the proposed new water-works. Engineer has not yet been selected. J. W. Gauthiers is Dir. Pub. Ser.

BARNESVILLE, OHIO.—Bids were opened on Aug. 23 by the Board of Trustees of Public Affairs for furnishing material and laying 6,550 ft. of 8, 6 and 4-in. pipe and placing eight hydrants. Contracts have been awarded as follows: To U. S. CAST-IRON PIPE & FOUNDRY CO., for all pipe and specials; to R. D. WOOD & CO., hydrants and valve boxes; RENSSELAER MFG. CO., for valves, and to W. H. PATTERSON & SON, of Barnesville, for laying pipe, etc.

TOLEDO, OHIO.—The city is considering the construction of additions to the municipal water filtration plant. Estimated cost, from $200,000 to $300,000. John R. Cowell is Dir. Pub. Ser.

ROANOKE, IND.—The Olds Construction Co., of Fort Wayne, Ind., has estimated the cost of constructing water-works here at $14,950.

JOLIET, ILL.—Contract will be let about Sept. 12 for the construction of two artesian wells drilled to a depth of about 1,600 ft. H. A. Stevens is City Engr.

*DEPUE, ILL.—Bids will be received until Sept. 27 for sinking an artesian well; depth, about 1,300 ft. Specifications can be obtained from Charles E. Pope ,Village Clk.

CHICAGO, ILL.—Bids will be received by Charles A. V. Standish, Secy. Bd. Local Improvements, until 11 a. m., Sept. 10, for the construction of water service pipes in South Loomis St. and West North Ave. Albert F. Keeney is Pres.

Bids will be received by Charles A. V. Standish, Secy. Bd. Local Improvements, until 11 a. m., Sept. 9, for the construction of water service and water-supply pipes in various streets.

MADISON, WIS.—M. J. Tappins, Secy. State Bd. of Control, Madison, will receive bids until 2 p. m. Sept. 12, for one deep well turbine for 17-in. well. Specifications are on file at his office, 31 Vroman Bldg., Madison. W. G. Kirchoffer is Engr.

CHISHOLM, MINN.—Bids were opened on Aug. 17 for the construction of two reinforced concrete settling basins and appurtenances for water purification plant, from the plans of Daniel W. Mead, 401 State St., Madison. The lowest bid submitted was that of C. R. McLean, of Duluth, at $10,480.

AUSTIN, MINN.—Bids will be received until Sept. 12, by the Board of Water, Electric, Gas and Power Commissioners, William Todd, Secy., for constructing 12,000 ft. of 16 or 18-in. c.-i. gravity pipe, and a 200,000-gallon reinforced concrete reservoir and small concrete dam. Oscar Claussen is Consult. Engr., German American Bank Bldg., St. Paul, Minn.

MINNEAPOLIS, MINN.—Resolutions have been adopted by the city for the construction of water mains of cast-iron pipe in the following streets: 28th St., west from Humboldt Ave to Fremont Ave.; 28th St., west from Emerson Ave. to Fremont Ave.; Cecil St., from Sharon St. to railroad tracks; Second Ave., south from 51st St. to Boulevard; Minnehaha Boulevard, from Second Ave. to Third Ave.; Third Ave., south from 50th St. to Boulevard; Taylor St., from Quarry St. to 18th Ave, N. E.; Longfellow Ave., from 36th St. to one-half way between 37th and 38th Sts,; Twelfth Ave., south from 31st St. to 31½ St.; 13th Ave., south from 38th St. to 40th St.; 14th Ave., south from 38th St. to 40th St.; Dupont Ave., north from 32d to 33d Aves.; 32d Ave., south from 42d to 43d Sts.; 31st Ave., south from 42d St. to 53d St. Andrew Rinker is City Engr.

OAKLEY, KAN.—See item under Light and Power Plants.

RUSSELL, KAN.—Bids will be received by H. A. Dawson, City Clk., until 3 p. m., Sept. 16, for the construction of a system of water-works. Burns & McDonnell are Engrs., Scarritt Bldg., Kansas City, Mo.

KIMBALL, NEB.—Bids were opened on Aug. 12 by the Kimball Irrigation District for constructing canals, reservoirs and irrigation works, comprising the Oliver reservoir and two main distributing canals, together with all necessary conduits, flumes and other appurtenances, and for constructing the Bushness reservoir. Contract has been awarded to ATCHISON & DAILEY, of Fort Morgan, Colo.

WILLOW LAKE, S. DAK.—The city is considering constructing water-works and a sewer system.

LAUREL, MONT.—Bids were opened on Aug. 16 for about 10.750 ft. of 14, 8 and 6-in. machine banded wooden pipe, a steel water tower, 150 ft. high, with 75,000-gallon steel tank; a pump house; also 5,600 ft. of electric transmission line, a 100-HP. standard motor, etc. Contract has been awarded to GERRARD & CO., of Sheridan, Wyo., at $27,012.

MILES CITY, MONT.—See item under Light and Power Plants.

WATSON, MO.—Bids will be received by G. M. Moore, Pres. Bd. Supervisors, North Nishnebotna Drainage District, at the office of the Watson Banking Co., until 2 p. m., Sept. 15, for the construction of a cement waterway or flume, with wings, aprons, flood gates, etc., for the purpose of connecting and receiving a portion of the waters of the Nishnebotna River and connecting same with the drainage system of the district. The location of the system is about three miles south of Hamburg, Iowa. John Finnell, Jr., is Secy.

COLUMBIA, MO.—See item under Light and Power Plants.

PARIS, ARK.—Machinery for a pumping plant will probably be required by Nov. 1 by the city where plans for the construction of water-works are under consideration.

CORPUS CHRISTI, TEX.—An irrigation and water-supply enterprise is being promoted by the Corpus Christi Water & Irrigation Co., lately organized. Th[illegible] company has taken preliminary steps [illegible]ards the construction of a large concr[illegible] dam across the Nueces River at a point [illegible] miles west of here for the purpose of fo[illegible]g a water storage reservoir for irrig[illegible]g a large area of land extending back fr[illegible] the river on either side and to provide [illegible] town with an adequate supply of water [illegible] municipal and domestic use. Engineer[illegible]ave made a preliminary survey for the p[illegible]sed dam and reservoir and have reporte[illegible]orably. Construction work will be [illegible]ted soon it is expected. W. A. Fitch, [illegible]cedes, Tex., is interested. This pro[illegible] has no connection with the other propo[illegible] of a similar nature now being pro[illegible] for the construction of a reinforced [illegible]te causeway across Nueces Bay, nea[illegible]us Christi, at an estimated cost of $2[illegible]

TIOGA, TEX.—The city has vote[illegible] of bonds for the construction of water-works.

CAMERON, TEX.—Charles C. C[illegible], of the Corinth community has purch[illegible] 100 acres of land on Little River fro[illegible] K. Freeman and will put it under irr[illegible]on.

GALVESTON, TEX.—The city w[illegible]y a 6-in. water main in the groove [illegible] outside of the sea wall at a point [illegible]ween Ave. F. and Ave. G to furnish wat[illegible] Fort San Jacinto, etc.; A. T. Dickey is [illegible] City Engr.

*HASKELL, OKLA.—Bids will b[illegible]eived by the Board of Town Trustees, [illegible]ressed to E. A. Riley, Town Clk., until [illegible] p. m., Sept. 22, for furnishing materials [illegible] constructing a system of water-works for the town. There will be required abo[illegible] 12,800 ft. of 6-in. c.-i. water pipes; abo[illegible] 17,200 ft. of 4-in.; 25 fire hydrants; ab[illegible] 7,650 lbs. fitting; 18 valves and boxes; a galvanized iron pump house; two pumps of a combined capacity of 500 gallons per minute; one boiler; one steel tower and tank, 120 ft. max. water bin, 60,000 gallons capacity. Bids will be received for furnishing any of the materials above or for constructing the works complete. Plans and specifications are on file in the office of the Town Clerk or James T. Gates, Engr., Wagoner, Okla. Advertised last week.

FRANCIS, OKLA.—The city has awarded contract to C. A. REES, of Tahlequah, Okla., for constructing water-works.

GREELEY, COLO.—Bids will be received by the Board of Directors of the Lower Latham Co., until noon Sept. 10, for the enlargement and improvement of Lower Latham reservoir dam. P. A. Hartung is Engr., 201 Opera House Blk., Greeley. The quantities of materials to be furnished, and the work to be done, are as follows: 27,500 cu. yds. earth embankment; 15,173 cu. yds. overhaul (equivalent); moving loose rock rip-rap from top of dam to inside of wave wall; 1,067 cu. yds. concrete (wave wall); 493 cu. yds. concrete (foundation); 20 cu. yds. concrete (spillway); 108,000 ft. B. M. 2 × 12-in. × 12-ft. yellow pine, f. o. b. Auburn, Colo.; 1,550 lbs. ⅝ × 6½-in. bolts complete, f. o. b, Auburn, Colo.; formulating, hauling and driving 18,000 lin, ft. Wakefield sheet piling.

COLORADO SPRINGS, COLO.—Contract for laying water-mains in the Park Lawn, Cheyenne and Hastings, ninth addition was awarded on Aug. 26 to the BARNES-STEPHENS PLUMBING CO. at $11,852.

DENVER, COLO.—The Whitewater Irrigation & Land Co. has been incorporated, it is reported, for the purpose of constructing canals, reservoirs, dams, laterals and other works necessary in a complete irrigation project. Areas in Gunnison, Mesa and Delta Counties are to come under the company's canals, which are to flow 800 ft. a second. The main canal will be 100 miles in length and will start in section 12, main township 13 south, range 90 west, and enter near Palisade, Colo. Water will be taken from the north fork of the Gunnison River, and other streams. The offices of the company will be located in Denver. Incorporators are: J. Albert Wright, Frank White and H. A. Gibson.

CREEDE, COLO. — The MACARTHUR BROTHERS CO., 11 Pine St., New York, has been awarded contract by the Rio Grande Reservoir & Ditch Co. for the construction of a storage reservoir at Santa Maria Lake, 20 miles from Creede. The work will consist of a large earth dam, about 90 ft. high; a 40-in. diameter continuous wood stave pipe, 8,000 ft. long; an outlet tunnel, about 600 ft. long; an outlet canal 3,000 ft. long; spillway; diversion dam, and a large amount of ditch work. Amonut of contract, $200,000. Work will be started immediately and will be completed by next summer.

BAKER CITY, ORE.—Contract has been let to WHIPPLE & BURDEN by Spaulding & Vaughn for the construction of a reservoir in the Timber Canyon. The dam will be 1,500 ft. long and 50 ft. high. About 700 acres of land will be irrigated.

ORLAND, CAL.—The Reclamation Service, Orland, will receive bids for building a portion of the distribution system, Orland irrigation project, California, until Sept. 24. The work involves the excavation of about 58,000 cu. yds. of material.

PROVO CITY, UTAH.—We are officially advised that bids were received as follows on Aug. 29 by the city for constructing the city water-works aqueduct and supply mains at Provo City: Aqueduct—P. J. Moran, Salt Lake City, Utah, $49,780; Holdaway Loan & Trust Co., $50,005; James Kennedy Construction Co., $57,593; Tibbey, Jordan & Forbes, $57,961; McKay & Reed, $60,686; Strange & Magurie, $63,489; J. A. Lynch & Co., $70,239; Wheelwright Construction Co., $71,543. Supply mains, wire wound pipe—Wheelwright Construction Co., Ogden, Utah, $50,390; J. A. Lynch & Co., $52,291; Strange & Maguire, $55,468; P. J. Moran, $56,368; James Kennedy Construction Co., $57,845; McKay & Reed, $62,386; Tibbey, Jordan & Forbes, $62,507. L. C. Kelsey, 402 Dooly Bldg., Salt Lake City, is Engr.

SEWERS.

*(*Denotes that this work is advertised in Engineering News.)*

TROY, N. Y.—Bids will be received by the Board of Contract and Supply until 11 a. m., Tuesday, Sept. 13, for constructing a sewer in Albia Ave., from Pawling Ave. to the end of Albia Ave. Specifications are on file in the office of the City Engr. James M. Riley is Secy.

Bids will be received by the Board of Contract and Supply until 11 a. m., Sept. 13, for constructing a sewer in Ford Ave., from Pawling to Kinney Ave., as follows: 855 ft. 8-in. sewer pipe and 540 ft. 6-in. Specifications are on file with the City Engr. James M. Riley is Secy.

TROY, N. Y.—Bids have been received for constructing a sewer in Hudson St., from Lincoln to Mann Ave., from the following: John Warnock & Son, Eveline Bros. and McDonough Construction Co.

Contract for building a sewer in Grace Court has been awarded to CHARLES H. Winne.

*OSSINING, N. Y.—Bids are asked until 8 p. m., Sept. 13, by R. A. Ward, City Clk., for the construction of two sections of a sewer (G and H). Plans and specifications and further details can be secured from the City Clerk.

MONMOUTH BEACH (Long Branch post-office), N. J.—Clyde Potts has been retained by the village to design sewers and sewage disposal works. Jesse W. Potter is Clk.

ERIE, PA.—Contracts have been awarded for the construction of sewers on the property of the Pennsylvania General Electric Co. to JOSEPH McCORMICK & BROTHERS. Plans call for three miles of 9 to 36-in. pipe. Estimated cost is $70,000.

READING, PA.—Plans are being prepared by the city for the construction of a storm sewer in Spring St. between Fifth and Sixth Sts. Edmond V. Irish is City Engr.

YEADON, PA.—Bids will be received by Thomas H. Daun, Secy., Borough of Yeadon, until Sept. 9, for the construction of 8-in. and 15-in. terra cotta sewers, manholes and flush tanks in Church Lane and along Cobb's Creek is the borough of Yeadon.

PHILADELPHIA, PA.—Bids were received as follows by the Survey Bureau for the construction of the intercepting sewer along Pennypack Creek for the Holmesburg sewage disposal plant: R. B. Bennis, $42,519; John McMenamy, $68,690; Adolph Jofolla, $60,985; Lombardi & Pasouzzi, $54,090; Robert Higgins, $49,104; David McMahn, $47,295; Monroe Paving Co., $44,762; Edwin H. Vare, $56,216. Bids were first received in June, Edwin H. Vare being the lowest bidder, at $43,000, but on the ground that there had been a mistake, the work was readvertised. The sewer is to parallel Pennypack Creek from Frankford Ave. to the Delaware River and will be built of vitrified pipe, varying in diameter from 10 to 24 ins. and laid in concrete. It will be 7,718 ft. long. Costello & Co. were originally awarded the contract for the pumping station, at $16,200, and the disposal or operating plant at $61,356, and the Keystone State Construction Co., the contract for the power plant at $17,350.

SILVER SPRINGS, MD.—At a meeting held by the citizens of this town a new $12,000 sewer system was discussed and a committee was appointed to make further investigation.

*RICHMOND, VA.—Bids will be received until 4 p. m., Sept. 15, for constructing the following sewers: Dooley Ravine, brick and concrete. Length, 3,800 ft.; diameter, from 8 to 11 ft. Virginia Ave. sewer. Length, 3,000 ft.; diameter, 8 ft.; brick and concrete (principally tunnel work in rock). Sewer in Leigh St. to Government Road, brick or concrete. Length, 2,600 ft.; diameter, 5 ft. Plans, profiles and specifications are on file at the office of Charles E. Bolling, City Engr., advertised Sept. 1.

HUNGTINGTON, W. VA.—Bids will be received until 1 p. m., Sept. 23, by the Board of Commissioners, for the building of lateral sewer in the alley between Eleventh and Twelfth Aves., and from 16th to 18th Sts., according to the plans and specifications on file in the city engineer's office. Also for grading Smith St. hill in the city of Huntington, approximately 2,480 cu. yds. of excavation.

HUNTINGTON, W. VA.—Bids will be received until 1 p. m., Sept. 23, by the Board of Commissioners, for the building of lateral sewer in the alley between 11th and 12th Aves., and from 16th to 18th Sts., according to the plans and specifications on file in the city engineer's office. John Coon is Comr. of Sts.

TIMMONSVILLE, S. C. — See item under Water Supply—Irrigation.

TIMMONSVILLE, S. C.—City voted issuance of $5,000 of bonds for construction of sewer system. Z. T. Kershaw is Mayor.

ST. PETERSBURG, FLA.—See item under Streets and Roads.

TUSCALOOSA, ALA.—City Council has adopted an ordinance for laying several miles of sanitary sewers. W. H. Nichols, City Engineer, is preparing maps and specifications. Estimated cost, $30,000.

MOBILE, ALA.—City will lay terra cotta storm sewers along Water St.; J. T. Schley isPres. Bd. Pub. Wks.

KNOXVILLE, TENN.—Contract has been awarded by the city to W. A. PARK, of Knoxville, to construct storm sewer on Second St. to creek under tracks of Louisville & Nashville Railroad.

NASHVILLE, TENN.—Contract has been awarded to E. T. LEWIS & CO., at $39,414, for the construction of 8½ miles of sewers, varying from 6 to 15 ins. in diameter. Plans are also being prepared for a sewage disposal plant for which bids will be asked. Charles E. Collins, is Consult. Engr., Drexel Bldg., Philadelphia, Pa.; J. A. Hughes is Mayor.

COLUMBUS, OHIO.—The City Council has passed a resolution authorizing the construction of a storm sewer in Grace St. to cost about $6,500.

ELYRIA, OHIO.—Bids will be received by the Board of Public Service until Sept. 9, for the construction of a sewer in West St., from the terminus of the present sewer to Huron Road. Plans are on file at the office of the Board of Public Service. Rose Moriarty is Clk.

NOTTINGHAM, OHIO.—See item under Water Supply—Irrigation.

LORAIN, OHIO.—Contract has been awarded to H. Y. BAXTER for the construction of the sewer in East Erie Ave., from the present end of the sewer to the city limits, at $15,994.

ELYRIA, OHIO.—The contract has been awarded by the Board of Public Service for constructing a sewer in portions of Gulf, Poplar and Hamilton Sts., to A. P. SOUTHWORTH, Adrian, Mich., at $26,000. C. S. Butts is City Engr.; Rose Moriarty is Clk.

MIDDLETON, OHIO.—Contracts have been let by the Director of Public Service for the construction of the following sewers. Clark St. and Tytus Ave., from the trunk sewer the east corporation line, to WM. BOYD, of Dayton, at $19,092; Garfield Ave., from Philadelphia St. to Fourth St, Young St., from Fairmount Ave. to Forest Ave.; Woodlawn Ave., from Young St. to Curtis Ave.; Lincoln Ave., from Seventh St. to Ninth St., North St., from the west side of Charles St. to Grimes St.; Reynolds St., from Young St., now Curtis Ave., to Clinton St., and First, from Main to Broad St., at $6,512. Second St., from Doty St. to McKinley, Monroe and Sutphin Ave., from the alley north of Third, to FERD KESTING, at $6,018.

MARYSVILE, OHIO.—The City Council will install a sanitary sewerage system in the town by July 1, 1911.

LIBERTYVILLE, IND.—Contract for new sewers has been awarded to W. F. BRUNT, of Hammond, Ind., at $11,028, by the Board of Local Improvements.

DETROIT, MICH.—The Common Council of Detroit, has directed the Board of Public Work, J. J. Haarer, Commissioner, 104 City Hall, to advertise for proposals for constructing the following vitrified brick lateral sewers.. No. 2144 in alley in block bounded by Gilbert and Hart Aves., Charlevoix and Goethe Sts. Estimated cost per lin. ft., $1.50. No. 2149 in alley in block bounded by First, Cass, Congress and Fort Sts. Estimated cost per lin ft., $3.

WHEATON, ILL.—Contract has been awarded by the Board of Local Improvements for constructing a system of sewers in the northwestern portion of the city to C. R. NICHOLS, at $11,627.

*WEST ALLIS, WIS.—Bids will be received until noon, Sept. 20, for constructing sewers in various parts of the city as follows: 3,338 ft. 18-in., 1,034 ft. 15-in., 4,240 ft. 12-in., 9,634 ft. 10-in., 6,234 ft. 8-in. pipe and 92 manholes. Plans and specifications are on file with the office of L. F. Fish, City Clerk. Advertised Sept. 1.

FARGO, N. DAK.—Bids will be received by E. R. Orchard, City Audr., until 5 p. m., Sept. 12, for the construction of a 15 in. lateral sewer in north and south alley in Sewer District No. 2. Plans and specifications are on file in the office of the city auditor.

WILLOW LAKES, S. DAK.—This town is planning to install sewerage and water-works plants.

MILES CITY, MONT.—See item under Light and Power Plants.

BLAINE, WASH.—Bids are being asked for constructing a sewer system to connect with the sewer recently laid in Washington Ave.

PORTLAND, ORE.—The bid of Paquet, Giebisch & Joplin, at $117,000,, for constructing the Holgate St. extension of the Brooklyn district sewer has been rejected by the City Executive Board and the City Auditor authorized to re-advertise for bids. Estimated cost is $102,000.

SACRAMENTO, CAL.—Contract has been awarded by the Board of Trustees for the construction of an 8-in. sewer in alley between X and Y Sts., from easterly line of 28th St. to the center line of 29th St. to T. M. BURNS. M. V. Desmond is Clk.

SONOMA, CAL.—Sonoma will have a modern sewer system and work will commence soon. The $20,000 bonds voted for the construction of the sewer system have been sold.

OROVILLE, CAL. — Contract has been awarded for the construction of the sewer system by the Board of Trustees to COTTON BROS., at $99,000.

SAN LUIS OBISPO, CAL.—The Board of Trustees have received the following bids for the sewer disposal ground, and equipping same: Charles W. Deacon, $10,420, and $9,936, respectively; H. D. Payne, $10,780 and $10,240.

SANTA CRUZ, CAL.—The City Council has passed a resolution ordering that a sewer be constructed in a portion of Van Hess Ave., from King St. to Escalona Boulevard, in accordance with ordinance No. 623, and the plans and specifications on file with J. L. Wright, Clk.

PHOENIX, ARIZ.—Bids will be received until Oct. 1 for the purchase of $325,000, 40 years 4½% sewer bonds. Frank Thomas is Recdr.

TRENTON, ONT.—Bids will be received until Sept. 19 by G. W. Ostrom, Town Clk., for the construction of a concrete sedimentation tank and laying 890 ft. 15-in., 665 ft. 12-in., and 987 ft. 8-in. sewer piper. T. Aird Murray is Engr., 303 Lumsdem Bldg., Toronto.

STREETS AND ROADS.

*(*Denotes that this work is advertised in Engineering News.)*

DORCHESTER (Boston post-office), MASS.—The contract for paving Hancock St. with brick blocks, from Columbia Road to Winter St., has been awarded to the CENTRAL CONSTRUCTION CO., 683 Atlantic Ave., Boston, James P. Timility, Pres., at $25,000.

MILFORD, MASS.—The following bids were received by the Massachusetts Highway Commission, Harold A. Parker, Chn., at Boston, on Aug. 23, for building a section of State Highway in Milford: H. M. McBRIDE, Brighton, Mass., $10,030 (awarded contract); C. N. Horne, $10,078; Snow & Farrington, $10,272; A. Deppolito and A. D. De Pietro, $12,102.

*WESTFIELD, MASS.—We are officially advised that the contract for paving Park Sq. with sheet asphalt has been awarded to the BARBER ASPHALT CO., 30 Church St., New York, at $20,447.

HARTFORD, CONN.—Contracts for the construction of state roads, bids for which were received by the State Highway Commissioner on Sept. 2, have been awarded as follows:

Town of Suffield, 7,754 lin. ft. macadam-telford road on the Springfield Turnpike, including five 12-in. and two 15-in. tile culverts, to OLMSTED & OLMSTED, East Hartford, Conn., $1.98 per lin. ft. for macadam, $3.18 per lin. ft. for telford and $1 per lin. ft. for rubble drain. A. D. Bridge's Sons, Inc., Hazardville, the only other bidder, submitted these figures: $2.11, $3.11 and $1 respectively for macadam, telford and rubble drain.

Town of Simsbury, 4,090 lin. ft. macadam-telford road on Main St., including sixteen 12-in. tile culverts, to OLMSTED & OLMSTED, East Hartford, Conn., $2.04 per lin. ft. for macadam, $3.29 per lin. ft. for telford. A. D. Bridge's Sons, Inc., Hazardville, Conn., the only other bidder, submitted these figures: $2.30 and $3.19 respectively for macadam and telford.

Town of Bloomfield, 2,474 lin. ft. macadam-telford road on Blue Hills Ave., including one 24-in. tile culvert, to STERNBERG & CADWELL, West Hartford, Conn., $1.77 per lin. ft. for macadam, $2.50 per lin. ft. for telford. Other bidders were: Pierson Engineering & Construction Co., Bristol, Conn., $2.40 and $3.90; Olmsted & Olmsted, East Hartford, Conn., $1.86 and $2.75.

Town of New Hartford, 2,799 lin. ft. macadam-telford road on the Winsted Turnpike, including two 15-in. and one 18-in. tile culverts, to C. A. ROSSI, Torrington, Conn., $2.50 per lin. ft. for macadam, $3.45 per lin. ft. for telford, 72 cts. per lin ft. for rubble drain and $5.50 per cu. yd. for masonry. Other bidders were: Joseph Mascetti, Torrington, Conn., $2.60, $3.35, 75 cts. and $6.50; Sternberg & Caldwell, West Hartford, Conn., $2.76, $3.50 and $6; Pierson Engineering & Construction Co., Bristol, Conn., $4.40, $5.40, $1 and $7.

Town of Harwinton, 14,100 lin. ft. gravel-telford road on the Thomaston Turnpike, including four 18-in., eight 15-in. and five 24-in. tile culverts and two reinforced concrete arch culverts, to A. VITO, Thompson, Conn., $1.47 per lin. ft. for gravel, $2.07 per lin. ft. for telford, 98 cts. per lin. ft. for rubble drain and $5.50 per cu. yd. for masonry. Other bidders were: Joseph Mascetti, Torrington, Conn., $1.54, $2.30, 75 cts. and $5.50; Edwin B. Alfred, Union City, Conn., $1.55, $2.25, $1 and $5.50; Pierson Engineering & Construction Co., Bristol, Conn., $2.90, $3.90, $1 and $6.

Town of Goshen, 9,715 lin. ft. graded-telford road on the Norfolk Turnpike, including two 12-in., three 20-in., twelve 24-in., one 15-in. and two 18-in. tile culverts and one reinforced concrete arch culvert, to JOSEPH MASCETTI, Torrington, Conn., $12,000 for the entire grading with 75 cts. per lin. ft. for telford and 80 cts. per lin. ft. for rubble drain. The B. D. Pierce, Jr., Co., Bridgeport, Conn., the only other bidder, submitted these prices: $17,490, 60 cts. and 75 cts. respectively for grading, telford and rubble drain.

Town of Winchester, 7,516 lin. ft. graded-telford road on the Norfolk Turnpike, including two 12-in., six 15-in., four 18-in. and two 24-in. tile culverts and one reinforced concrete arch culvert, to JOSEPH MASCETTI, Torrington, Conn., $8,642 for the entire grading, with 72 cts. per lin. ft. extra for telford and 75 cts. per lin. ft. for rubble drain. The B. D. Pierce, Jr., Co., Bridgeport, Conn., the only other bidder, submitted these figures: $16,340, 60 cts. and $1 respectively for grading, telford and rubble drain.

Town of Barkhamsted, First Section, 8,907 lin. ft. graded-telford road on the Hartford-Winsted Turnpike, including one 12-in., three 18-in., two 15-in., seven 24-in. tile culverts and two reinforced concrete arch culverts, to STERNBERG & CADWELL, West Hartford, Conn., $16,834 for the entire grading, with 71 cts. per lin. ft. extra for telford and $1.25 per lin. ft. for rubble drain. Other bidders were: Joseph Mascetti, Torrington, Conn., $25,550, 75 cts. and 75 cts.; Pierson Engineering & Construction Co., Bristol, Conn., $24,494, $1 and $1; C. A. Rossi, Torrington, Conn., $15,250, 72 cts. and 75 cts.; B. D. Pierce, Jr., Co., Bridgeport, Conn., $22,270, 65 cts. and $1.

Second Section, 10,236 lin. ft. graded-telford road, including four 15-in., one 18-in., one 24-in. and three 30-in. tile culverts and three reinforced concrete arch culverts, to C. A. ROSSI, Torrington, Conn., $25,325 for the entire grading, with 72 cts. per lin. ft. extra for telford and 80 cts. per lin. ft. for rubble drain. Other bidders were: Joseph Mascetti, Torrington, Conn., $26,050, 75 cts. and 75 cts.; B. D. Pierce, Jr., Co., Bridgeport, Conn., $30,000, 60 cts. and $1; Pierson Engineering & Construction Co., Bristol, Conn., $35,826, $1 and $1.

Bids were also received for the following work, but the contracts were not awarded:

Town of Enfield, 3,705 lin. ft. macadam-telford road on the Springfield Turnpike, A. D. Bridge's Sons, Inc., Hazardville, Conn., $2.49 per lin. ft. for macadam, $3.49 per lin. ft. for telford, $1 per lin. ft. for rubble drain and $3 per sq. yd. for brick work. No other bidders.

Town of Simsbury, 1,562 lin. ft. macadam-telford road on Tunix St., A. Vito, Thompson, Conn., $3.26 per lin. ft. for macadam, $3.76 per lin. ft. for telford, 98 cts. per lin. ft. for rubble drain, $5.50 per cu. yd. for masonry; F. Arrigoni & Bro., Durham, Conn., $5.92, $6.80, $1 and $5.50; A. D. Bridge's Sons, Inc., Hazardville, Conn., $4.77, $5.57, $1 and $6; Pierson Engineering & Construction Co., Bristol, Conn., $5.10, $5.50, $1 and $6.

Town of Bloomfield, 20,908 lin. ft. macadam-telford road on the Hartford Turnpike, including six 12-in., four 15-in., two 24-in. and two 18-in. tile culverts, A. D. Bridge's Sons, Inc., Hazardville, Conn., $1.61 per lin. ft. for macadam, $2.31 per lin. ft. for telford, $1 per lin. ft. for rubble drain; Sternberg & Cadwell, West Hartford, Conn., $1.83, $2.50 and $1; A. Vito, Thompson, Conn., $1.73, $2.38 and 98 cts.; Pierson Engineering & Construction Co., Bristol, Conn., $2.20, $3.12 and $1.

Town of East Granby, 4,668 lin. ft. macadam-telford road, including two 30-in., two 15-in. culverts and one reinforced concrete arch culvert, F. Arrigoni & Bro., Durham, Conn., $10.32 per lin. ft. for macadam, $10.80 per lin. ft. for telford, $1 per lin. ft. for rubble drain and $5.50 per lin. ft. for masonry; A. D. Bridge's Sons, Inc., Hazardville, Conn., $6.79, $7.49, $1 and $7; Sternberg & Cadwell, West Hartford, Conn., $6.69, $7.50, $1 and $6; A. Vito, Thompson, Conn., $5.76, $5.96, 98 cts. and $5.50; Pierson Engineering & Construction Co., Bristol, Conn., $9.40, $10, $1 and $6; B. D. Pierce, Jr., Co., Bridgeport, Conn., $6.33, $6.90, $1 and $4.75.

HARTFORD, CONN.—Plans for proposed state road work have been received by the State Highway Commissioner as follows: From E. C. Welden, Div. Engr., two sections in the town of Union, aggregating 5,400 lin. ft. and 2,000 lin. ft. in the town of Stafford.

NEW YORK, N. Y.—Bids were received by Cyrus C. Miller, Pres. Boro. of The Bronx, on Aug. 31, for completing the contract which was executed by W. F. Murray on April 18, 1908, and declared abandoned on May 16, 1910, for regulating, grading, setting curbstones, flagging the sidewalks, laying crosswalks, building approaches, placing fences, providing for necessary drainage, placing catch basins, manholes and steel rods in place in West Farms Road, from Morris Park Ave. to the intersection of Westchester Ave. and former Main St., in the old village of Westchester: William H. Graner, $49,429, and B. C. Murray, $42,985.

Bids were received as follows on Aug. 31, by Alfred E. Steers, Pres. Boro. Brooklyn, for regulating and repaving with asphalt on a concrete foundation the roadway of Bridge St., from Fulton St. to Johnston St.: Uvalde Asphalt Paving Co., $10,523; Barber Asphalt Paving Co., $10,395; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Brooklyn, $9,200; Cranford Co., $9,466.

NEW YORK, N. Y.—The following bids were received on Aug. 31 by Alfred E. Steers, Pres., Boro. Brooklyn, for regulating and repaving with iron slag on concrete foundation the roadway of 41st St. and 44th St., from Fifth Ave. to Sixth Ave.: Uvalde Asphalt Paving Co., $19,522; R. L. Russell, $18,795; MacFarland Contracting Co., $18,406.

Bids were received at the same time and place for regulating and repaving with asphalt block pavement on a concrete foundation the roadway of 49th St., from Fourth Ave. to Sixth Ave.: Barber Asphalt Paving Co., 30 Church St., New York, $15,529; Hastings Pavement Co., 25 Broad St., New York, $15,327.

Bids were received at the same place and time for regulating and repaving with asphalt on a concrete foundation the roadway of St. Nicholas Ave., from Himrod St. to Ralph St., and Ralph Ave., from St. Nicholas Ave. to Borough Line: Uvalde Asphalt Paving Co., $11,194; Borough Asphalt Co., $10,947; Cranford Co., $11,165; Barber Asphalt Paving Co., 30 Church St., New York, $11,215.

NEW YORK, N. Y.—Bids will be received until 11 a. m., Sept. 17, by George McAneny, Pres. Boro. of Manhattan, for regulating and repaving with sheet asphalt various streets; for furnishing and delivering 3,000 cu. yds. of sand; for maintaining the asphalt pavement on Broadway, from the north side of Canal St. to 14th St., where the original contract has been abandoned, and for repairing asphalt block pavement in the Borough of Manhattan.

TROY, N. Y.—The Board of Contract and Supply on Aug. 30 awarded to JOHN H. GLEASON & CO., the contract to lay 1,350 sq. yds. of asphalt pavement on Sixth Ave., from Rensselaer St. to Middleburgh St., at $1.75 a sq. yd.

*NEW BRUNSWICK, N. J.—Bids will be received until 2 p. m., Sept. 12, by the Board of Chosen Freeholders of the County of Middlesex, Court-house, New Brunswick, for the construction of a gravel road. Peter H. S. Hendricks is Dir. and Asher W. Bissett is Clk.

ERIE, PA.—Improvements to include a cement sidewalk are contemplated along West 26th and Sigsbe Sts. in front of the water-works reservoir, it is stated. Thomas Hanlon is City Clk. and W. A. Walker is Supt. Paving.

HARRISBURG, PA.—Bids will be received by the State Highway Department until noon, Sept. 19, for paving and curbing various streets and alleys. W. W. Caldwell is Comr.

Bids will be received until 2 p. m., Sept. 15, by the State tHghway Department for the reconstruction of a road in South Buffalo Township, Armstrong County. Joseph W. Hunter is State Highway Comr. at Harrisburg.

KITTANNING, PA.—Bids for macadamizing a driveway in the Kittanning Cemetery were received by H. L. Golden, Secy., on Aug. 20. Approximate estimates are: Excavating, 1,700 cu. yds.; paving, 2,800 sq. yds. The contract was awarded to BROWN & CRISSMAN, of Kittanning.

MONONGAHELA, PA.—The County Commissioners and the Road Commissioners of Carroll and Union Townships recently awarded the contract for improving the road from Monongahela to Mingo Creek, to DONALD MACNEIL, Pittsburg. The material to be used is amiesite, which is a composition of asphalt and crushed limestone.

PHILADELPHIA, PA.—This city will spend more than $2,300,000, it is stated, in repairing streets and roads. George R. Stearns, Dir. of Dept. of Pub. Wks., has asked the Coun ls for $1,000,000 for street work for next year. His schedule is as follows: Paving intersections, $100,000; repairs to unpaved streets, $150,000; repairs to streets other than asphalt, $200,000; grading, paving, etc., in front of city property, $15,000; repaving tramway streets, $15,000; curbing, $15,000; repairs, asphalt paving, $200,000; grading roads, streets, etc., $100,000; resurfacing unpaved streets, $100,000; improved pavement, $300,000; total, $1,195,000. In the $8,000,000 loan, the following needs for street work are shown: Resurfacing streets, $300,000; grading streets, $300,000; repairs to non-traction streets, $200,000; macadamizing roads, $100,000; paving street intersections, $100,000; total, $1,000,000; grand total, $2,195,000. There is still a balance of $199,000 left from the loan bill of $5,000,000 for operating and current expenses.

SCRANTON, PA.—The following bids were received by C. V. Terwilliger, Dir. Pu. Ser., for paving: Luzerne St., from Railroad to Keyser Creek, Joseph L. Dunn & Co., asphalt, per sq. yd., $1.63; stone block, per sq. yd., $2.25, R. C. Ruthven, $1.95; MacDonald Construction Co., $1.70; Warner-Quinlan Co., $1.95. Taylor Ave., Mulberry to Linden: R. C. Ruthven, $1.95; MacDonald Construction Co., $1.70; Warner-Quinlan Co., $1.89. Gibson St., from Washington Ave. to Wyoming Ave.: MacDonald Construction Co., $2.10 for stone block and brick. Adler St., from Cedar Ave. to Pittston Ave.: Joseph L. Dunn & Co., $1.80; R. C. Ruthven, $1.85; MacDonald Construction Co., $1.70; Warner-Quinlan Co., $1.89.

WILMINGTON, DEL.—See item under Bridges.

FAIRMONT, W. VA.—The contract for constructing a 2-mile road in Marion County has been let by the County Court to the JAMISON COAL CO., it is reported. Estimated cost, $6,000 per mile. S. A. Shuttlesworth is County Road Engr.

MORGANTOWN, W. VA.—We are officially advised that bids were received on Aug. 9 for 8,000 sq. yds. of brick paving and for the construction of 2,700 ft. of sewers. The contract has been awarded to THONEY PIETRO, of Morgantown, at $16,000. Robert D. Hennen is County Engr. and John M. Gregg is County Clk.

ST. PETERSBURG, FLA.—The following bids were received recently by the City Council for constructing a sidewalk for Moffat's Subdivision: H. A. FARMER, 13½ cts. and 11 cts. for a tile walk (awarded contract). The Eureka Stone & Paving Co., 14 cts. and 12½ cts.

The bids for paving, grading and curbing of Fourth Ave., North, were: Eureka Stone & Paving Co., for concrete curbing 33½ cts. per lin. ft.; Georgia Engineering Co., for curbing concrete, 50 cts., for granite, 40 cts.; paving brick, laid flat, $1.49 per sq. yd.; grading, 33 cts. per cu. yd.

THE GEORGIA ENGINEERING CO. has been awarded the contract for granite curbing, 40 cts.; brick paving, $1.40, and grading, 33 cts.

Bids on Central Ave. were: W. C. Henry, paving brick on edge, $1.74; granite curbing, 45 cts.; brick, laid flat, $1.48. The GEORGIA ENGINEERING CO. was awarded the contract at $1.70 for brick on edge; curbing, 47 cts., and grading, 21½ cts. W. C. HENRY was awarded the curbing contract.

LOUISVILLE, KY.—Bids were received on Aug. 22 for the construction of 16 brick alleys. The prices ranged from $1.85 to $2 per sq. yd. There were four bidders, the Jefferson County Construction Co., L. R. Figg & Co., G. W. Gosnell & Co., and Henry Bickel & Co. The estimated cost is $19,000. The contracts will be awarded soon.

CLEVELAND, OHIO.—Bids were received by the Board of Commissioners of Cuyahoga County, Ohio, on Aug. 31, for the paving of Ridge Road No. 2 with Medina block stone, from Station 47 to Station 52. The contract was awarded to the OHIO ENGINEERING CO., of Elyria, at $1.05 a sq. yd. for brick and $2.75 a sq. yd. for stone. John F. Goldenbogen is Clk. of Bd.

COLUMBUS, OHIO.—The County Commissioners of Franklin County have awarded the contract for the improvement of the Smith-Davis road, between Worthington and Elmwood, to R. E. KEYS at $8,400.

The Board of Public Service of Columbus has awarded the contract for paving the subways under the crossings of the Baltimore & Ohio Southwestern R. R. in Columbus to D. E. SULLIVAN & SONS, Clinton Bldg., Columbus, at $47,313. The paving is to be done with Nelsonville block with tar filler.

The Board of Public Service has awarded the contract for paving the subways under the tracks of the Cleveland, Cincinnati, Chicago & St. Louis R. R. to GEIGLE, GARNES & CO., Columbus, at $7,453. The work is to be done with Trimble block with tar filler.

EATON, OHIO.—The contract for the East Main St. paving improvement has been awarded by the City Council to GEORGE F. POOS, Eaton, at $13,157.

TOLEDO, OHIO.—Bids will be received by C. J. Sauzenbacher, Audr. of Lucas County, until 10 a. m., Sept. 23, for the repair of Dorr St., stone road.

FRANKFORT, IND.—The Commissioners of Clinton County will receive bids until 2 p. m., Sept. 17, for the construction of the following gravel roads in Washington Township: Gould road, No. 183, total length, 10,650 ft.; Black road, No. 174, total length, 10,600 ft.; Thompson road, No. 175, total length, 6,425 ft.; Braden road, No. 176, total length, 12,085 ft.; McKinsey road, No. 184, in Perry Township, total length, 2,598 ft.; Metzger road, No. 178, in Ross Township, total length, 2,598 ft.; Silverthorn road, No. 179, in Ross Township, total length, 5,284 ft.; Brown road, No. 180, in Ross Township, total length, 10,627 ft.; Pickering road, No. 181, in Ross and Madison Townships, total length, 5,284 ft.; Strange road, No. 182, in Union Township, total length, 13,180 ft.; Lipp road, No. 186, in Union Township, 10,575 ft. Bids must be on each road separately. Charles F. Cromwell is Audr.

INDIANAPOLIS, IND.—The Board of Public Works is considering the purchase of a steam road roller. C. A. Shrader is Pres. of Bd.

The Board of Public Works has passed resolutions for the following permanent improvements: Paving Audubon road; paving First Alley, west of Arsenal Ave.; paving Washington Boulevard, Raymond St., Maryland and 13th Sts.

Bids will be received until 10 a. m., Sept. 9, for paving First Alley, north of 30th St., with wooden blocks. C. A. Shrader is Pres. of Bd.

DETROIT, MICH.—The Common Council of Detroit, J. J. Haarer, Comr. of Public Works, City Hall, awarded the contracts on Aug. 24, for paving the following streets: Coplin Ave., from Jefferson Ave. to Kercheval, with cedar blocks, to T. E. CURRIE, Pennsylvania Block, Detroit, for $14,942; Watson St., from Dequindre St. to Chene St., with cedar block, to JAMES HANLEY, Pennsylvania Block, Detroit, for $10,785. All are to be on concrete foundation with Medina Berea or other approved curbing.

MORRISON, ILL.—Bids are asked by the City Clerk for paving Market and intersecting streets until Sept. 13.

*TAYLORVILLE, ILL.—Bids will be received by the Board of Local Improvements, until 2 p. m., Sept. 14, for the construction of 15,632 sq. yds. of vitrified block pavement. William Vermillion is Clk. of Bd. and J. W. Dappert is City Engr.

JANESVILLE, WIS.—We are officially advised that bids were received by the Street Assessment Commissioner on Aug. 26 for improving portions of Jackman St., Wisconsin St. and East St., by grading to a subgrade and paving with asphalt macadam, aggregating the following estimated quantities: 7,790 sq. yds. asphalt macadam; 1,338 lin. ft. cement curb and gutter; 30 lin. ft. cement gutters; 45 sq. yds. brick crosswalks. The contract for asphalt macadam pavement was awarded to A. E. RULLEDGE, Rockford, Ill., at $8,239. C. V. Kerch is City Engr.

LEAVENWORTH, KAN.—The contract for improving on Santa Fe St. was awarded on Aug. 23 to E. W. GEIGER at 35 cts. a cu. yd. for grading and $1.05 a sq. yd. for paving.

The contract for the grading and curbing of Terrace Road was awarded to THOMAS JONES & SON, at 37 cts. a lin. ft. for curbing and 29 cts. a cu. yd. for grading.

O. C. CHAPIN was awarded the contract for the paving of the north and south alley in Block 15, Fackler's Addition, at 45 cts. a cu. yd. for grading and $1.04 a sq. yd. for paving.

OMAHA, NEB.—The Shull Land Co. let the contract on Aug. 23 to DANIEL CREEDON for new sidewalks to be laid in Shull's Second addition, on 25th and 27th Sts. and 25th Ave.

HOUSTON, TEX.—Bids will be received until noon, Sept. 13, for paving Main St. roadway. John B. Ashe is County Audr.

OKLAHOMA CITY, OKLA.—Bids will be received until 5 p. m., Sept. 19, for 16.75 miles of asphalt pavement. Estimated cost, $984,937. W. C. Burke is City Engr. and Henry M. Scales is Mayor. The summary of approximate estimates are on file at the office of Engineering News, New York.

NORTH YAKIMA, WASH.—It is reported that the INDEPENDENT ASPHALT PAVING CO., Seattle Theater, Seattle, has been awarded the contract for paving with asphalt, five blocks on Eleventh Ave. at $25,774; also for paving Naches Ave.

LOS ANGELES, CAL.—The Board of Public Works has awarded the contract to B. F. FORD for improving Washington St. at $52,533; also to P. A. THOMAS for improving Guava St., at $1,029.

ONTARIO, CAL.—Bids will be called for soon for the construction of cement sidewalks and granite curbs on both sides of D St. R. O. Blackenridge is Clerk, Azusa. The Trustees will call a special election to vote $32,000 for improving four miles of the two principal thoroughfares.

PASADENA, CAL.—W. A. DONTANVILLE was awarded the contract by the City Council for grading Euclid Ave. and Ohio St. at $4,458.

BURLEY, IDAHO.—We are officially advised that bids were received on Aug. 24 and contract awarded to C. H. HELMER, for the construction of about 12,500 lin. ft. of cement sidewalks at Burley, at $1.85 per lin. ft. for 12-ft. walk and curb, and 14 cts. per sq. ft. for 5-ft. and 6-ft. walks. W. C. Calvert, City Engr., will supervise the construction.

MANUFACTURING PLANTS.

(*Denotes that this work is advertised in Engineering News.)

WATERVILLE, ME.—The Wyandotte Worsted Co. will build an addition to its plant, 56 × 80 ft., one story high; also a 2-story structure, 30 × 140 ft. T. H McGowan is Pres. H. H. Halterman is Secy.

PAWTUCKET, R. I.—The Slater Cotton Co., at Pawtucket, has had plans drawn for a building to be used as a warehouse and picker room. The structure will be of brick construction and will cost about $30,000.

PROVIDENCE, R. I.—It is announced that the Joslin Mfg. Co. is planning the erection of a dyeing and bleaching plant at the Merino mills in Providence.

The Regina Lace Co., recently incorporated with a capital of $200,000, will locate in Providence, according to reports. T. Francis Greene, Arthur M. Allen and Abbott Phillips are the incorporators.

BUFFALO, N. Y.—The Rogers Brown Iron Co., Erie County Bank Bldg., will build six 1-story steel manufacturing buildings at Fletcher and Sophia Sts. Estimated cost, $169,000.

The Jewell Steel & Malleable Iron Co. has filed plans for a 1-story brick factory and foundry at 353-409 Hertel Ave., to cost $8,500.

BUFFALO, N. Y.—Plans have been filed for a brick and steel building to increase the size and capacity of the plant of the Linde Air Products Co., 155 Chandler St. Estimated cost, $10,555.

A building permit has been issued to the Niagara Machine & Tool Co., Superior and Randall Sts., Buffalo, for the erection of a 4-story factory building at 673-685 Northland Ave. The buildings will cost $81,000, it is said.

The E. E. Denniston Co., 184 West Mohawk St., Buffalo, manufacturers of automobile tops, etc., will build another factory.

HUDSON, N. Y.—Plans have been completed by the Swansdown Knitting Co., Hudson, manufacturers of sweaters, for an addition to its plant which will form a wing to an addition recently built on the south side of the mills. The new structure will be 72 × 99 ft., work on which will be started at once.

POUGHKEEPSIE, N. Y.—A factory, 50 × 250 ft., will be erected on Cottage St. by the Pioneer Pearl Button Co.

MALONE, N. Y.—The contract for erecting a building on the Kelley site for the Lawrence-Webster Co., Malone, has been awarded to the FISK-CARTER CONSTRUCTION CO., of Worcester, Mass. The plans have been drawn by F. S. Hinds, 19 Milk St., Boston, Arch.

NEW YORK, N. Y.—An addition is to be made to the new automobile manufacturing center in Long Island City, Boro. of Queens, through a purchase by the Mercedes Repair Co., 159 East 54th St., New York, of a plot 100 × 140 ft. at Jackson and Lincoln Aves. The purchaser has had plans prepared for a 2-story building with foundations strong enough to support three additional stories. The structure will be used for the manufacture of commercial vehicles.

JAMAICA (L. I.), N. Y.—Charles L. Burchard has sold to the David H. Smith Co., of the Bronx, manufacturers of piano hammers, a plot 100 × 100 ft. at Union Hill and Cumberland Sts., Jamaica, on which will be built a large factory.

UTICA, N. Y.—See item under Buildings.

HARRISON, N. J.—It is stated that George K. Hopper, 165 Broadway, New York, Arch., is preparing plans for a factory building, 60 × 200 ft., in Harrison, for the Otis Elevator Co., 17 Battery Pl., New York.

ERIE, PA.—The Pennsylvania General Electric Co. has had plans completed and is receiving bids for three foundry buildings to be erected at its new plant here. One is to be 450 × 800 ft., one story with steel frame, brick and reinforced concrete construction; and two are to be 200 × 400 ft. each, two stories, of brick, steel and concrete; also a machine shop, 161 × 400 ft., two stories, brick, steel and concrete.

BRIDGEWATER, PA.—Bids are being received for the erection of a brick and concrete addition to the north end of the Keystone Bakery building in Market St., Bridgewater. The building will be 50 × 100 ft. J. A. Snyder, of Beaver Falls, is Arch.

CANONSBURG, PA.—The Collins Gear & Motor Co., Inc., of Pittsburg, is about to begin the erection of a plant for the manufacture of automobile axles, gears and motors on the property of the Alexander Land Co., west of town. The building will be constructed of steel and brick, and will be 60 × 300 ft., having a floor space of 20,000 sq. ft. The company is capitalized at $250,000. The officers of the company are: J. J. Flannery, Pres.; D. P. Collins, Vice-Pres. and Mgr.; J. M. Flannery, Secy., and H. A. Neef, Treas.

CARLISLE, PA.—It is announced that the Frog, Switch & Mfg. Co. will build an addition to its plant. It will be built of steel and concrete and will be 125 × 165 ft.

MECHANICSBURG, PA.—The Orr Mfg. Co., of South Attleboro, Mass., will locate in Mechanicsburg. The plant will probably be built at the western end of town. One building will be 260 × 60 ft., and the other a 1-story, 100 × 60 ft.

NICETOWN (Philadelphia post-office), PA.—Estimates are being taken by the William Steele & Sons Co., 1600 Arch St., Philadelphia, and Samuel W. Denny for two shop buildings for the Midvale Steel Works, at Nicetown.

PHILADELPHIA, PA.—The CHARLES McCAUL CO., Tenth and Sansom Sts., which is erecting a $60,000 addition to the plant of the Henry Disston & Sons, at Tacony, has been awarded the contract for a $52,000 rolling mill by the same firm.

SHARON, PA.—The contract for construction of the bandmill for the Sharon Steel Hoop Co. has been awarded to the PITTSBURGH BRIDGE & IRON WORKS CO., Pittsburg. The mill will cost $150,000. Construction is to be started soon.

MOCKSVILLE, N. C.—The business men of Mocksville are agitating a proposition to organize a cotton factory company. F. H. White, of Charlotte, is interested.

GREENVILLE, S. C.—The Woodville Investment Co., Greenville, has been incorporated to manufacture yarns. The capital stock is $30,000 and the incorporators are J. D. Woodside, Pres., and R. I. Woodside, Secy. and Treas.

NEWTON, N. C.—The Fidelity Hosiery Mills Co., successors to the Newton Hosiery Mill Co., is the name of a newly chartered enterprise here with an authorized capital of $125,000 and $30,000 paid in. D. M. Ausley, of Statesville, is Pres.; Eugene Morrison, of Statesville, is Vice-Pres., and R. P. Freeze, Newton, is Secy. and Treas. Additions will be made to the mills as necessity demands.

HARTSVILLE, S. C.—According to reports the Hartsville Fertilizer Co. is to be incorporated with a capital stock of $50,000, to build a fertilizer factory at Hartsville. Col. J. J. Lawton, Maj. J. L. Coker and David R. Coker are the officers.

PROSPERITY, S. C.—Plans are being formulated for the organization of a company to build a cotton factory at Prosperity, and the capital stock will probably be $200,000. A plant of 10,000 spindles and accompanying equipment is contemplated. Dr. George Y. Hunter, Pres. of the Bank of Prosperity, is interested.

ARLINGTON, GA.—J. E. Toole, it is said, is the principal promotor of a plan to build a cotton factory in Arlington, with a capitalization of about $250,000.

MONTICELLO, GA.—An enterprise is being promoted by L. O. Benton, Pres. of the Southern Securities & Financing Co., J. A. Kelly, D. W. Gray, H. B. Vallen, E. T. Malone, W. J. Phillips, E. H. Jordan, R. L. Davis, Sam Cohen and other business men of Monticello to organize a company and erect a cotton mill in Monticello.

ALEXANDER CITY, ALA.—It is reported that J. W. Belyeu is planning the erection of a knitting mill at Alexander City. The production of hosiery is proposed.

ASHTABULA, OHIO.—It is stated that an underwear mill is to be erected in Ashtabula. A prospectus has been drawn up by E. O. Boll, Gen. Mgr. of the Mentor Knitting Mills Co., of Mentor, Ohio, who will head the new company.

CANTON, OHIO.—The Doctor Walker Co., of Louisville, has been incorporated at Columbus with a capital of $150,000. A plant will be built in Canton and the principal product of the company will be a surgical splint. Dr. C. A. Walker, of Louisville; A. H. Vayo and W. L. Stolzenbach are interested.

KENT, OHIO.—The MOUNT VERNON BRIDGE CO., Wyandotte Bldg., Columbus, has been awarded the contract for the construction of shops for the Seneca Chain Co., at Kent. The buildings will cover 3½ acres of ground and will be constructed of steel and iron on concrete foundations.

TOLEDO, OHIO.—The ARNOLD CO., Engrs., 181 La Salle St., Chicago, Ill., will erect a steam shovel plant at Toledo, for the Vulcan Steam Shovel Co. It will consist of the following buildings: Machine shop, pattern storage, foundry, work and finishing shop, storehouse and power-house, and will require an 800-HP. steam-electric power plant of brick, concrete and steel construction.

YOUNGSTOWN, OHIO.—The Republic Rubber Co. will let contracts soon for the erection of an addition to its works, which will increase the tire output of the plant from 50 to 100% in excess of the present capacity. The addition will be a 6-story building, 80 × 200 ft., and will be built on the Albert St. frontage of the plant. It is understood that the work will begin on the addition as quickly as possible after the letting of the contract. The company now has under construction an addition 90 × 250 ft.

DETROIT, MICH.—Louis Kamper, Fine Arts Bldg., let the following contracts on Aug. 20 for the new 1 and 2-story factory building, 65 × 200 ft., for the Hale Motor & Machinery Co., S. E. Hale, Gen. Mgr., 301 Lennox Apartments: Masonry, to OTTO MISCH, Home Bank Bldg., Detroit; carpentry, ALFRED PERRY, 272 Clark Ave. Cost, $20,000.

B. C. Wetzel & Co., Hammond Bldg., Detroit, let the following contracts on Aug. 23 for the new 3-story and basement livery, 40 × 100 ft., for John Wynne, Jr., Hammond Bldg.: Structural iron work, H. B. LEWIS, 45 Joseph Campeau; masonry, PUTNAM & MOORE, Penobscot Bldg.; carpentry, JAMES BUCHANAN, 1392 14th Ave.; composition roofing, A. J. ORTH, 166 Hastings St.; steam heat and plumbing, WHITE & FISHER, 205 Michigan; plastering, W. HUEBNER, 379 St. Clair Ave.; painting, WILLIAM DIEDRICH, 680 Gratiot Ave.

Rogers & MacFarlane, Penobscot Bldg., have let the following contracts for the automobile factory for the Warren Motor Car Co.: J. G. Baverline, Gen. Mgr., 620 Field Ave. The building will be two stories, 67 × 176 ft., 52 × 68 ft., and 280 × 69 ft.: Masonry, G. A. VIVIER & SON, 479 Forest Ave. West; carpentry, L. W. BEAKER, 518 Holden Ave.; painting, BREDE & SCHRAETER, 20 Adams Ave. Cost, $60,000.

GRAND HAVEN, MICH.—The Fountain Specialty Co., H. H. Cushman, Pres., 2511 State St., Chicago, Ill., is taking figures on a 1-story brick factory building, 140 × 265 × 65 ft., in Grand Haven. Cost, $25,000.

GRAND RAPIDS, MICH.—The Luce Furniture Co., A. L. Goodman, Secy., Godfrey Ave., has let the general contract for the 1-story addition, 140 × 530 ft., to their present plant to J. B. ACKERMAN, Board of Trade Bldg. Cost, $60,000.

HOLLAND, MICH.—James Price, 31 West Eighth St., Holland, has let the general contract for the 3-story brick factory building, 120 × 124 ft. for the German Gelatin Co., Ludwig Thiele, M. D., Pres., to FRANK DYKE, 226 Maple St. The owner is now taking figures on steam heat. Cost, $30,000.

The same architect has let the general contract for the 3-story and basement factory building for the De Pree Chemical Co., D. De Pree, Secy., 130 Central Ave., to SIERSMA & DIETER, 210 West Eleventh St. Cost, $20,000.

WYANDOTTE, MICH.—Plans are being perfected for the construction of a caustic soda plant at Works No. 1 of the Michigan Alkali Co., at Wyandotte. Estimated cost, $500,000.

KALAMAZOO, MICH.—R. A. LeRoy, 121 Pratt Bldg., has let the following contracts for the 3-story and basement factory, 56 ×

75 ft., for the Kalamazoo Playing Card Co., George Hauseiman, Secy., 141 East Water St.; Masonry and carpentry, C. VAN ECK, 804 Davis St.; steam heating and fan system for ventilating, WHEELER-BLANEY CO., 225 North Burdick St. The building is to cost, $20,000.

MASON CITY, IOWA.—A cement mill is to be erected here by the Lehigh Cement Co., of New Castle, Pa., under the supervision of Oscar E. Davis, Supt. The building is to have a capacity of 4,000 bbls., it is reported.

DULUTH, MINN.—A building permit for a new steel plant near Duluth was issued to the Minnesota Steel Co., recently. The plans for the steel plant show 48 separate structures, to be of steel and concrete construction. The cost is estimated at $10,000,000.

GLACIER, WASH.—The B. B. Lumber & Shingle Co., whose lumber mill at Haplo was recently destroyed by fire, will relocate on Cornell Creek, near Glacier, it is stated.

LOS ANGELES, CAL.—The contract for constructing a paint shop at 55th St. and Moneta Ave., of reinforced concrete for the Los Angeles Ry. Co., has been awarded to the AIKEN REINFORCED CONCRETE CO., Union Trust Bldg., at $102,000. The structure will be 112 × 644 ft.

LOS ANGELES, CAL.—According to reports the S. M. BERNARD CO. will build a 2-story and basement machinery plant at Central Ave. and Alameda St., for the Smith-Booth Usher Co. The building will be 150 × 385 ft. Morgan & Walls, 232 North Main St., Los Angeles, are the Archs.

WALKERVILLE, ONT.—Albert Kahn and E. Wilby, Trussed Concrete Bldg., Detroit, have let the general contract for the 3-story auto factory at Walkerville, 60 × 100 ft., for the Ford Motor Co., James Couzens, Secy., Woodward and Piquette Aves., to WELLS & GRAY CO., Toronto. Cost, $20,000.

MISCELLANEOUS CONTRACTS.

(*Denotes that this work is advertised in Engineering News.)

U. S. RECLAMATION SERVICE.—All news concerning canal and irrigation projects, etc., will be found under Water Supply—Irrigation.

BARGE CANAL.—Albany, N. Y.—See item under Bridges.

SAND.—New York, N. Y.—See item under Streets and Roads.

WATER-FRONT IMPROVEMENTS. — St. Petersburg, Fla.—See item under Streets and Roads.

WIRE FABRIC.—Edmonton, Alta.—GORMAN, CLANCY & GRINDLEY, of Edmonton, have been awarded a contract for 200,000 sq. ft. of wire fabric for concrete floors.

DRAINAGE.—Table Rock, Neb.—Bids will be received until Sept. 14 by W. C. Fellers, Secy., for drainage work in District No. 1, requiring about 690,375 yds. of excavation.

SOIL WORK, ETC.—Boston, Mass. — Bids will be received until Sept. 8 extension of date from Aug. 29, by D. H. Sullivan, Supt. Pub. Grounds, for soil work and renovation.

*DREDGING. — Duluth, Minn. — Bids are asked until noon, Sept. 30, by Lieut.-Col. Graham D. Fitch, Corps Engrs., U. S. A., Duluth, for dredging in Duluth-Superior Harbor.

*DREDGING. — Duluth, Minn. — Bids for dredging in Marquette Harbor, Mich., will be received by Lieut.-Col. Graham D. Fitch, Corps Engrs., U. S. A., Duluth, until noon, Sept. 29.

CEMENT.—New York, N. Y. — Bids are asked until 3 p. m., Sept. 15, by the Park Board, for furnishing and delivering 100 bbls. of Portland cement (No. 2, 1910) for Parks, Boro. The Bronx.

STEEL BINS.—Los Angeles, Cal. — The Board of Public Works has awarded contract to the FULTON ENGINE WORKS for furnishing steel bins at $3,776 f. o. b., Los Angeles. Noted on Sept. 1.

REBUILDING EMBANKMENT. — Logan, Ohio.—Bids will be received until Sept. 13 by the State Board of Public Works, Columbus, James R. Marker, Ch. Engr., for rebuilding Logan levee embankment.

DITCHING.—Burlington, Iowa.—The Supervisors of Des Moines County awarded contract on Aug. 20 for ditching in connection with the drainage system to RICHARD RUSSELL, of Oakville at about $30,000.

*DIPPER DREDGES.—Nashville, Tenn.—Bids are asked until 11 a. m., Sept. 27, by Maj. A. F. Flagler, Corps Engrs., U. S. A., Nashville, for furnishing machinery, fittings, etc., for two dipper dredges.

ROCK.—Detroit, Mich.—Bids are asked until 3 p. m., Sept. 26 by Col. C. McD. Townsend, Corps Engrs., U. S. A., Detroit, for furnishing about 9,000 tons of rock for the piers at St. Clair Flats Canal, Mich.

VACUUM CLEANING SYSTEM.—Wilkes-Barre, Pa.—Bids will be received by Fred. H. Gates, City Clk., until Sept. 23, for furnishing and installing in City Hall and Lockup a sweeper vacuum cleaning system.

ICE PIER.—Ottawa, Ont.—Bids will be received by R. C. Deserochers, Secy. Dept. Pub. Works, Ottawa, until Sept. 19 for constructing an ice pier in River Quarreau, at Point Reille, near St. Paul de Joliett, Que.

IRON RAILING.—New York, N. Y.—Bids are asked until 3 p. m., Sept. 15, by the Park Board, for furnishing and delivering 6,000 lin. ft. of 2-pipe iron railing No. 1, 1910), Botanical Garden, for Parks, Boro The Bronx.

PUMP HOUSE, ETC.—North Buxton, Ont.—Bids will be received until Sept. 8 by T. R. Clark, Water Comr., for new pump-house wheel, boiler and engine works, complete, in Pike Drainage Scheme, Raleigh Township.

*DREDGING.—Norfolk, Va.—Bids were received by Lieut.-Col. Mason M. Patrick, Corps Engrs., U. S. A., Norfolk, on Aug. 29, for dredging Appomattox River, Va. W. H. FRENCH, Norfolk, has been recommended for award at 7¼ cts. per cu. yd., place measurement.

RETAINING WALL.—St. Paul, Minn.—The lowest bid for the construction of a retaining wall at the Mechanic Arts High School, has been submitted by J. H. Nickel, 610 Endicott Bldg., St. Paul, at $9,959. H. P. Keller is Mayor.

DREDGING, BREAKWATER, ETC.—Cleveland, Ohio.—Bids will be received until Sept. 23 by Col. John Millis, Corps Engrs., U. S. A., Cleveland, for dredging and for breakwater construction and removal at Cleveland Harbor, Ohio.

DITCH.—Wheaton, Ill.—McALLISTER & PETERSON who were awarded contract for dredging 6,000 ft. of open ditch for the city have contracted with the city and property owners for the extension of this ditch for three miles.

GRANITE COPING.—New York, N. Y.—Bids will be received by the Park Board until 3 p. m., Sept. 15, for furnishing and setting granite coping south of the Administration Building in the New York Zoological Park, in Bronx Park.

DREDGING.—Tuscarawas, Ohio.—Bids will be received until Sept. 13 by the State Board of Public Works, Columbus, James R. Marker, Ch. Engr, for improving Ohio Canal by dredging Lock No. 16, near Tuscarawas, a distance of three miles.

DRAINAGE DITCH, LEVEE.—Pekin, Ill.—Bids will be received by Judge W. R. Kern until Oct. 15 for constructing a drainage ditch, a levee nine miles long and six miles of open ditch dredge work. The Robert Van Duesen Co. is Engr., Pekin.

DITCH.—Anderson, Ind.—The Commissioners of Madison and Henry Counties have ordered a survey of a 12-mile ditch to be constructed in Madison and Henry Counties. Bids will be asked as soon as the survey is completed. Charles Mauck is Engr.

GREENHOUSES.—New York, N. Y.—Bids will be received by the Park Board, until 3 p. m., Sept. 15, for furnishing all the labor and materials necessary for the erection and completion of an addition to greenhouses in Bronx Park, Borough of the Bronx.

DITCH.—La Porte, Ind.—George D. Lee, Construction Comr. for the Werner Ditch in Clinton, Hanna, Cass and Noble townships, has awarded contract, it is reported, for digging a ditch 14 miles long to VOLK BROS. & GROSS. Estimated cost, about $11,689.

BARGE CANAL.—Albany, N. Y.—Barge Canal Contract No. 67, providing for the construction of two locks to take the place of the five combined locks at Lockport, has been awarded by F. C. Stevens, Supt. Pub. Wks., to LARKIN & SANGSTER, of St. Catharines, Ont., at $1,149,401. Bids were opened on Aug. 23. List of bidders noted on Aug. 25.

REPAIRS TO PIER.—Philadelphia, Pa.—Bids for repairs to the Race St. pier will be received by Joseph H. Hasskarl, Acting Dir. Pub. Wks., until noon, Sept. 9. Specifications and plans may be had at the office of the Department of Docks and Wharves, 555 Bourse Bldg.

*DREDGING.—New York, N. Y.—Bids are asked until noon, Oct. 3, by Col. William T. Rossell, Corps Engrs., U. S. A., 802 Army Bldg., 39 Whitehall St., New York, for dredging in Arthur Kill, N. Y. and N. J., Raritan Bay, Shrewsbury River and Woodbridge Creek, N. J.

BROKEN STONE.—New York, N. Y.—Bids are asked by George Cromwell, Pres., Boro. Richmond, New Brighton (S. I.), N. Y., until noon, Sept. 13, for furnishing and delivering broken stone at Stable "A" yard, Swan St., Tompkinsville, and at Stable "B" yard Columbia St., West New Brighton.

IRON FENCE, ETC.—Los Angeles, Cal. — EDWARD TRINKKELLER, 1720 South Main St., has secured the contract for erecting an ornamental iron fence and gates about the residence of Thomasella Graham, at Sierra Madre. R. D. Farquhar is Arch., Security Bldg. Estimated cost, $3,584.

LIST OF CONTRACTS PENDING.

Light, Heat and Power Plants.

Bids open.		Noted in issue of
9- 9	Wiring, Cheshire, Conn	9- 8
9-10	Power plant additions, Annapolis, Md	9- 1
9-10	Elec. light, Charlottetown, P.E.I.	8-8
9-10*	Pump and motors, Hot Springs, Ark.	8-11
9-12	Heating, etc., New York	9- 1
9-12	Gas, etc., Boston, Mass	9- 1
9-12	Street lighting, Montreal, Que	9- 8
9-14	Elec. light system, Oakley, Kan.	9- 8
9-14	Wiring ducts, etc., Winnipeg, Man.	9- 1
9-14	Light fixtures, Washington, D. C.	8-25
9-15	Elec. apparatus, Washington, D. C	7-28
9-15	Conduit system, Louisville, Ky	9- 8
9-19	Elec. wiring, Youngstown, Ohio.	9- 1
9-21	Light fixtures, Washington, D. C.	9- 8
9-27*	Power-house, etc., Wheeling, W. Va.	9- 1
10- 1*	Power plant, Annapolis, Md	8-25

Bridges.

9- 9*	Bridge, Van Buren, Me	8-11
9-12	Bridges, etc., Allentown, Pa	9- 1
9-12	Bridge, Muskogee, Okla	9- 1
9-12	Bridge, Eureka, Cal	9- 1
9-12	Bridges, Lima, Ohio	9- 8
9-12	Bridges, Oakland, Cal	9- 8
9-12	Bridges, Gonzales, Texas	9- 8
9-13	Bridges, Napa, Cal	9- 8
9-13	Bridges, Troy, Idaho	9- 8
9-14	Bridge work, Columbus, Ohio	8-25
9-16	Bridges, Boscobel, Wis	9- 8
9-16	Bridges, Harrisburg, Pa	8-25
9-19	Bridges, San Jose, Cal	9- 8
9-19	Bridge work, Lisbon, Ohio	8-25
9-21	Bridge work, Franklin, Pa	9- 8
10- 1*	Superstructure, Quebec, Que	8-18

Buildings.

9- 9*	Post-office, Port Arthur, Tex	8- 4
9- 9*	Building, Ft. Monroe, Va	8-11
9- 9	Buildings, Columbus, Ohio	8-25
9-10	High school, Wawaka, Ind	8-25
9-10	Plans, Albany, N. Y	6- 9
9-12	Post-office, Lexington, Mo	8-11
9-12	Building, Kankakee, Ill	8-25
9-12	Public bldg., Roberval, Que	9- 1
9-12*	Hospital, Winnebago, Wis	9- 8
9-13	Post-office, York, Pa	8- 4
9-14	Post-office, Webster, Mass	8-11
9-14	Building, Ottawa, Ont	9- 8
9-15*	Post-office, Waycross, Ga	8-11
9-15	Plant, Salisbury, N. C	8-25
9-15	Buildings, New York	9- 8
9-16	Library, Winchendon, Mass	9- 8
9-16*	Post-office, Harriman, Tenn	8-11
9-16	Fire-house, Mishawaka, Ind	9- 1
9-19	Post-office, Plattsmouth, Neb	8- 4
9-20	Post-office, Easton, Pa	8-18
9-21*	Post-office, Warrensburg, Mo	8-18
9-22	Post-office, Clinton, Mo	8-11
9-22	Officers' quarters, Fort Hamilton, N. Y	9- 1
9-26	Post-office, Greensburg, Pa	8-25
9-29	Post-office, Platteville, Wis	9- 1
10- 1	Buildings, Tacoma, Wash	8-25
10- 1	Hotel, Indianapolis, Ind	9- 1
10- 1*	Freight house, El Paso Tex. (Mfg. Pl.)	9- 1
11- 1	Plans, Toronto, Ont	6- 9

Water-Works.

9- 9	Water mains, Carrington, N. Dak.	8-25
9- 9	Pumps, Rossville, Ill	9- 1
9- 9	Water pipes, Chicago, Ill	9- 8
9-10	Pump and motors, Hot Springs, Ark	8-25
9-10	Dam impvt., Greeley, Colo	9- 8
9-10	Water pipes, Chicago, Ill	9- 8
9-12	Pipe line, etc. Austin, Minn	9- 8
9-12	Pump, Madison, Wis	9- 8
9-12	Water mains, East Hartford, Conn.	9- 8
9-12*	Pipe, Portland, Me	8-18
9-14	Laying pipe, etc., Montreal, Que.	8-25
9-14*	Pumping engines, Parkersburg, W. Va.	9- 1
9-14	Cast iron pipe, New York	9- 8
9-14	Water mains, New York	9- 8
9-15	Pump, Dayton, Ohio	9- 8
9-15	Tank and tower, Toulon, Ill	9- 1
9-15	Flume, Watson, Mo	9- 8
9-16	Water-works, Russell, Kan	9- 8
9-17	Water mains, Newburg, Ohio	9- 1
9-17*	Pump, Sioux City, Iowa	9- 1
9-20*	W.-wks. bonds, Belle Fourche, S. Dak	8-25
9-20*	Pumping engine, Detroit, Mich	8-18
9-22*	Water-works, Haskell, Okla	9- 8
9-24	Distribution system, Orland, Cal.	9- 8
9-24	Water mains, Nottingham, Ohio	9- 8
9-24*	Reservoir site, etc., Ithaca, N. Y.	9- 8
9-26	Cisterns, Fort Howard, Md	9- 1
9-27*	Water and sewer system, Thiells, N. Y.	9- 1
9-27*	Well, Depue, Ill	9- 8
9-29*	Pumps, Evansville, Ind	8-18

Sewers.

9- 9	Sewers, Carrington, N. Dak	8-25
9- 9	Sewer, Elyria, Ohio	9- 8
9- 9	Sewers, Yeadon, Pa	9- 8
9-10	Sewer extensions, Greenville, S. C.	8-25
9-10	Sewers, Charlevoix, Mich	9- 1
9-12	Sewers, Denver, Colo	9- 1
9-12	Sewer, Fargo, N. Dak	9- 8
9-13	Sewers, Troy, N. Y	9- 8
9-13*	Sewer, Olean, N. Y	8-25
9-13*	Sewer, Ossining, N. Y	9- 8
9-14	Sewers, Brooklyn, N. Y	9- 1
9-17	Sewers, Newburg, Ohio	9- 1
9-19	Sewers, Columbus, Ind	9- 1
9-19	Sewer system, Brawley, Cal	8-25
9-19	Sediment tank, Trenton, Ont	9- 8
9-23	Sewer, Huntington, W. Va	9- 8
9-24	Sewers, Nottingham, Okla	9- 1
10- 1	Sewers, etc., West View, Pa	8-18
10- 1	Sewer bonds, Phoenix, Ariz	9- 8

Streets and Roads.

9- 9	Paving, Hammond, Ind	9- 1
9- 9	Surface graveling, Concord, N. H.	8-25
9- 9	Paving, Indianapolis, Ind	9- 8
9-10	Hospital buildings, Hot Springs, Ark	9- 8
9-10	Road repairs, Cleveland, Ohio	9- 1
9-10	Pike, Delaware, Ohio	9- 1
9-12	Paving, etc., New York	9- 1
9-12	Pike, Columbus, Ohio	9- 1
9-12	Macadam road, Fort Du Pont, Del	8-25
9-12*	Resurfacing, etc., Scarsdale, N. Y.	8-25
9-12*	Gravel road, New Brunswick, N. J.	9- 8
9-13	Paving, Houston, Tex	9- 8
9-13	Paving, Morrison, Ill	9- 8
9-13*	Pavement, Olean, N. Y	8-25
9-13	Walks, etc., Waterbury, Conn	9- 1
9-13	Sidewalks, etc., New York, N. Y.	9- 1
9-14	Grading, etc., New York, N. Y.	9- 1
9-14*	Stone road, Tenafly, N. J	8-25
9-14*	Pavement, Taylorville, Ill	9- 8
9-15*	Road, Avalon, N. J	8-25
9-15	Gravel road, Vernon, Ind	8-11
9-16	Paving, Seattle, Wash	9- 1
9-16	Paving, Wapakoneta, Ohio	9- 1
9-16	Road construction, Harrisburg, Pa	8-25
9-17	Curb, etc., Muncie, Ind	9- 1
9-17	Gravel road, Frankfort, Ind	9- 8
9-17	Paving, New York	9- 8
9-19	Pavement, Oklahoma City, Okla	9- 8
9-19	Paving, etc., Harrisburg, Pa	9- 8
9-19	Paving, Montgomery, Ala	9- 1
9-19	Paving, Lakewood, Ohio	8-25
9-23	Road repairs, Toledo, Ohio	9- 8

Miscellaneous.

9- 8	Pump House, North Bruxton, Ont.	9- 8
9- 8	Soil work, Boston, Mass	9- 8
9- 9	Repairs to pier, Philadelphia, Pa.	9- 8
9- 9	Ditch, Warren, Minn	9- 1
9- 9*	Lock, dam, etc., New Orleans, La	8-18
9- 9	Welding and cutting plant, Panama (U. S. Poss.)	9- 1
9-10	Dredging, Los Angeles, Cal	8-18
9-10*	Dredging, Galveston, Tex	8-18
9-10	Pier, Brooklyn, N. Y	9- 1
9-11	Elec. cranes, Belgium (Foreign)	9- 1
9-12*	Caissons, pier, etc., Milwaukee, Wis.	8-18
9-12	Dredge, Ottawa, Ont	8-25
9-12*	River improvement, Des Moines, Iowa	8-25
9-12*	Vacuum heating system, Washington, D. C	8-25
9-13	Breakwater, Wiarton, Ont	9- 1
9-13	Pipe, etc., Wash., D. C	9- 1
9-13	Rebuilding embankments, Logan, Ohio	9- 8
9-13	Dredging, Tuscarawas, Ohio	9- 8
9-13	Broken stone, New York	9- 8
9-14	Drainage, Table Rock, Neb	9- 8
9-15	Excavation, Olivier, La	9- 1
9-15*	Dredging, Philadelphia, Pa	8-18
9-15*	Dredging, Bridgeport, Conn	8-18
9-15	Greenhouses, New York	9- 8
9-15	Granite coping, New York	9- 8
9-15	Iron Railing, New York	9- 8
9-15	Fire Hose, New York	9- 8
9-15	Repairing boats, New York	9- 8
9-15	Cement, New York	9- 8
9-16	Machinery, Panama (U. S. Poss.)	9- 1
9-16*	Lock, guidewalls, etc., Wheeling, W. Va.	8-18
9-16*	Lock and dam, Wheeling, W. Va.	8-18
9-16*	Lock machinery, Panama	7-21
9-16	Dredging, Montgomery, Ala	9- 1
9-17	Railroad system extensions, Boston, Mass	9- 8
9-19	Ice pier, Ottawa, Ont	9- 8
9-19	Towboats, Kansas City, Mo	9- 1
9-19*	Seawall, New Orleans, La	8-11
9-19*	Dredging, Galveston, Tex	8-25
9-19	Dredging, Norfolk, Va	8-25
9-19*	Oil-house, Fort Hancock, N J	8-25
9-19*	Riprap jetties, Portland, Me	8-25
9-20*	Dredging, Baltimore, Md	8-25
9-20	Dredging, Norfolk, Va	8-25
9-20	Garbage plant, El Paso, Tex. (Garbage),	9- 1
9-20	Gun turrets, Washington, D. C	7-28
9-21*	Dredging, Norfolk, Va	9- 1
9-22	Dredging, Norfolk, Va	9- 1
9-22*	Dredging, Washington, D. C	8-25
9-23*	Insulated cable, New London, Conn	8-25
9-23*	Metal shelving, Trenton, N. J	8-25
9-23*	Dredging, Mobile, Ala	8-25
9-23*	Riprap, Duluth, Minn	9- 1
9-23	Dredging breakwater, Cleveland, Ohio	9- 8
9-23	Vacuum cleaning system, Wilkes-Barre, Pa	9- 8
9-24	Mortuary, Brooklyn, N. Y	9- 8
9-24*	Dredging, Portland, Me	9- 1
9-26*	Dam, Cincinnati, Ohio	9- 1
9-26*	Dredging, Boston, Mass	9- 1
9-26*	Breakwater, Portland, Me	9- 1
9-26	Rock, Detroit, Mich	9- 8
9-27*	Dredging, Galveston, Tex	9- 1
9-27*	Dipper dredges, Nashville, Tenn.	9- 8
9-28	Clearing and filling, Aberdeen, Wash.	9- 1
9-29	Houses, Wheeling, W. Va	9- 1
9-29*	Dredging, Norfolk, Va	9- 1
9-29*	Dredging, Baltimore, Md	9- 1
9-29*	Dredging, Duluth, Minn	9- 8
9-30*	Dredging, Duluth, Minn	9- 8
10- 1*	Dredging, Savannah, Ga	9- 1
10- 1*	Dredging, Pike, Phila., Pa	9- 1
10- 3*	Dredging, New York	9- 8
10-15	Drainage ditch, levee, Pekin, Ill.	9- 8
10-20*	Subway system, etc., New York	9- 8
10-20*	Dredge, etc., Vicksburg, Miss	8-25
10-27	Collecting wks, Russia (Foreign)	9- 1
10-27*	Subway system, etc., New York	9- 8
10-31	Lighthouse, buoy steamer, Victoria, B. C	9- 8
11- 8	Torpedo boat destroyer, Washington, D. C	9- 8

Examinations.

Application received.		Noted in issue of.
9- 6	Supervising Engr., Evansville, Ind	8-18
9- 7	Computer, Washington, D. C	8-11
9- 8	Inspector, Water Supply, New York	9- 1
9-14	Civil engr., Washington, D. C	8-11
9-14	Physician, Wash, D. C	9- 8
9-21	Assistant in Wireless Telephony, Washington, D. C	9- 1
9-26	Examiner Wash., D. C	9- 1
10- 5	Inspector, Fort Crockett, Tex	8-25
10- 5	Xylotomist, Washington, D. C	8-25
10- 5	Electrical assistant, Wash, D. C.	9- 1

Plans and Specifications on File.

The following plans (P.) and Specifications (S.) are on file (for reference only unless otherwise noted) at the office of The Engineering News Publishing Co., 220 Broadway, New York.

9- 9*	Bridge, Van Buren, Me.	(P.& S.) 8-11
9-10	Dredging, Los Angeles, Cal.	(S.) 8-18
9-10	Sewer extensions, Greenville, S. C.	(S.) 8-25
9-10	Power plant additions, Annapolis, Md.	(S) 9- 1
9-10*	Dredging, Galveston, Tex.	(S) 8-18
9-10*	Pump and Motors, Hot Springs, Ark.	(S.) 8-11
9-10	Hospital buildings, Hot Springs, Ark	(P & S) 9- 8
9-12*	Caissons, pier, etc., Milwaukee, Wis.	(P. & S.) 8-18
9 13*	Dredging, Bridgeport, Conn.	(S) 8-18
9-16*	Lock and dam, Wheeling, W. Va.	(S) 8-18
9-16*	Lock, guide walls, etc., Wheeling, W. Va.	(S) 8-18
9-17	Railroad system extensions, Boston, Mass	(S) 9- 8
9-19	Pavement, Oklahoma City, Okla.	(S.) 9- 8
9-19*	Dredging, Galveston, Tex.	((S.) 8-25
9-19	Dredging, Norfolk, Va.	(S.) 8-25
9-19*	Riprap jetties, Portland, Me.	(S.) 8-25
9-20	Dredging, Norfolk, Va.	(S.) 8-25
9-21*	Dredging, Norfolk, Va.	(S) 9- 1
9-22	Dredging, Norfolk, Va.	(S) 9- 1
9-23*	Dredging, Mobile, Ala.	(S.) 8-25
9-24	Mortuary, Brooklyn, N. Y.	(S) 9- 8
9-27*	Dredging, Galveston, Tex.	(S.) 9- 1
9-29*	Dredging, Baltimore, Md.	(S) 9- 1
10- 1*	Power plant, Annapolis, Md.	(S.) 8-25

MORTUARY.—Brooklyn, N. Y.—Bids will be received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., Sept. 24, for a mortuary at the naval hospital, Brooklyn, N. Y. Specifications are on file at the office of Engineering News, New York. Wm. M. Smith is Acting Ch.

SPUR TRACK, TUNNEL.—Detroit, Mich.—The Common Council on Aug. 24 granted the Universal Motor Truck Co., Farnsworth Ave. and R. R. permission to build a spur track across Farnsworth St. Also granted Kaiser & Schmidt, Wilkins St., permission to construct a tunnel under Wilkins St.

FIRE HOSE.—New York, N. Y.—Bids are asked until 10.30 a. m., Sept. 15, by R. Waldo, Fire Comr., for furnishing and delivering 30,000 ft. of 2½-in. rubber fire hose; for furnishing and delivering 20,000 ft. of 2½-in. rubber fire hose and for furnishing and delivering 10,000 ft. of 3-in. rubber fire hose.

HARBOR.—Chicago, Ill.—The Trustees of the Sanitary District of Chicago have directed George M. Wisner, Ch. Engr., to prepare plans and prepare estimates of cost of a suitable harbor for the Chicago lake front, including docks, warehouse, railroad facilities and loading machinery, plans to be completed by Dec. 1, 1910.

TORPEDO BOAT DESTROYERS.—Washington, D. C.—Bids for constructing by contract six torpedo boat destroyers (Nos. 37-42) will be received by the Navy Department, Washington, until noon, Nov. 8. Forms of proposal and contract may be had on application to the department after Sept. 5. Beekman Winthrop is Acting Secy.

DRAINAGE.—Helena, Ark.—The Directors of the Yellow Bank Drainage District of Helena, have awarded contract, it is reported, to the O. O. McDONALD CONSTRUCTION CO., of Collinstown, La., for drainage of the entire northern half of Phillips County inclosed in a strip 21 miles long and 15 miles wide, and draining about 65,000 acres of land.

RAILROAD SYSTEM EXTENSION.—Boston, Mass.—Bids will be received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 o'clock a. m., Sept. 17, for railroad system extensions at the United States navy yard, Boston. Specifications are on file at the office of Engineering News, New York. Wm. A. Smith is Acting Ch. Bureau.

*BREAKWATER.—Bar Harbor, Me.—Bids were received as follows on Sept. 2 by Lieut-Col. George A. Zinn, Corps Engrs., U. S. A., 537 Congress St., Portland, for constructing a breakwater near Bar Harbor: Rowe Brothers Co., Richmond, Me., $1.05 per ton; Sylvester I. Hill, Portland, $1.08; P. H. Doyen Co., Portland, 87 cts.; E. S. Belden & Sons, Hartford, Conn., $1.63; S. A. Bailey, New York, $2.93.

LIGHTHOUSE, BUOY STEAMER.—Victoria, B. C.—Bids are asked by Alex. Johnson, Deputy Minister of Marine & Fisheries, Ottawa, Ont., until Oct. 31, for a lighthouse and buoy steamer, to be delivered at Victoria for the Pacific Coast service, having the following dimensions: Length between perpendiculars 300 ft., breadth 38 ft., depth 17 ft. 6 ins., draft 11 ft., 6 ins. and speed twelve knots per hour.

DREDGING.—Erie, Pa.—Bids were opened on Aug. 16, at the office of Lieut.-Col. J. G. Warren, Corps Engrs., U. S. A., Buffalo, N. Y., for work at Erie Harbor, to consist of 155,000 cu. yds. dredging entrance channel and harbor basin, east end, and 24,000 cu. yds. dredging harbor basin, west end. Contract has been awarded to the GREAT LAKES DREDGE & DOCK CO., Chicago, Ill., at $42,960. List of bidders noted on Aug. 25.

REPAIRING BOATS.—New York, N. Y.—Bids are asked until 10.30 a. m., Sept. 15, by R. Waldo, Fire Comr., for painting the outside of hulls and making repairs to the following boats: "William L. Strong," engine 66; "George B. McClellan," engine 78; "Cornelius W. Lawrence," engine 87, and launch "Velox," Boro. Manhattan; "Abram S. Hewitt," engine 77; "David A. Boody," engine 132; "Seth Low," engine 123, Boro. Brooklyn; "Zophar Mills," engine 51, Boro. Richmond.

DREDGING.—Chicago, Ill.—Bids were opened as follows on Aug. 24 by the Sanitary District of Chicago for dredging the west arm of South Fork and South Branch of Chicago River, about 50,000 cu. yds.: Great Lakes Dredge & Dock Co., 138 Washington St., Chicago, 29¾ cts., 31 cts. and 33 cts. per cu. yd. for dredging and $19.40 per lin. ft. for 80 lin. ft. timber dock; totals, $16,427, $17,052 and $18,052. Fitz Simons & Connell Co., Chicago, 34 and 35 cts. per cu. yd. for dredging and $20 per lin. ft. for timber dock; totals, $18,000 and $19,100.

*SUBWAY SYSTEM, ETC.—New York, N. Y.—Bids are asked for construction, equipment and operation of the Tri-Borough Subway and Elevated System of New York City, comprising about 44 miles of line until Oct. 20, 1910. Bids are also asked for construction only, with municipal money, until Oct. 27. Bids may be made for one or more of the sections into which the construction work has been divided. Write or call concerning full details, including forms of contracts and plans. Public Service Commission for the First District, 154 Nassau St., New York.

*DREDGING.—Port Washington, Wis.—Bids were received as follows on Sept. 1 by Maj. Charles S. Bromwell, Corps Engrs., U. S. A., for dredging at Port Washington Harbor: (a) dredging about 70,000 cu. yds. of sand, clay, etc., per cu. yd. (b) dredging about 26,000 cu. yds. hard pan and boulders, per cu. yd: Great Lakes Dredge & Dock Co., 138 Washington St., Chicago, Ill., (a) 19 cts.; (b) 36 cts.; total, $22,660. Adolph F. Buss, Milwaukee, Wis., (a), 17½ cts.; (b) 34¾ cts.; total, $21,285 (recommended for award); Greiling Bros. Co., Green Bay, Wis., (a) 18 cts.; (b) 50 cts; total, $25,600.

DRAIN TILE.—Belvidere, Ill.—On Aug. 29 bids were received as follows at the office of Wm. Blester, Belvidere, Atty. Hunter Drainage District No. 1 of Boone County, Ill., for furnishing and laying 28,202 ft. of farm drain tile ranging from 4 to 20 ins. in diameter. Maximum cut, 6 ft., and minimum cut, 3 ft. Character of soil, a mixture of peat and blue clay: James A. Reeves, agent for National Drain Tile Co., Streator, Ill., $4,877; Belvidere Cement Products Co., Belvidere, Ill., $4,675; Haeger Estate, Elgin, Ill., $4,490; Clarance W. Petrie, Sicamore, Ill., $4,761; MUNSON BROS., Capron, Ill., $4,300 (awarded contract).

*PIER, ETC.—Boston, Mass.—Bids were received on Sept. 2, by the Board of Harbor and Land Commissioners, State House, Boston, for building a stone pier on wharf to be known as Pier No. 6, South Boston, and extending Northern Ave., on the Commonwealth's Flats at South Boston. Frank W. Hodgdon is Ch. Engr. Holbrook, Cabot & Rollins Corporation, 6 Beacon St., Boston, $760,000. William L. Miller, Boston, $780,000. Roy H. Beattie, Inc., and John Cashman & Sons Co., Boston, $797,000. Patrick McGovern, Boston, $835,000. Metropolitan Contracting Co., Boston, $855,000. Ryan-Parker Construction Co., New York, $941,000. Thomas Fitzgibbon & Co., Beverly, Mass.; $960,000. Luke D. Mullen, Boston, $1,190,000. Hugh Nawn Contracting Co., Boston, $1,300,000. P. J. Carlin Construction Co., New York, $1,395,000. S. Pearson & Sons, Inc., New York, $1,445,200.

FIRE HOSE.—Los Angeles, Cal.—Bids were received as follows on Aug. 30 by the city for furnishing fire hose: Voorhees Rubber Mfg. Co., multiple woven, overall brand, $1 per ft.; double jacket, fire model, 90 cts.; double jacket, Eclipse, 85 cts. The Republican Rubber Co., Republican brand (double jacket) $1.10 per ft. f. o. b. Los Angeles; L. A. special (double jacket), 95 cts. Warren & Bailey Mfg. Co. Peerless Rubber Mfg. Co.'s "Royal" brand (double jacket), 90 cts. per ft., delivered within 60 days from date of execution of contract. Bowers Rubber Works, (double jacket) Victor brand, 95 cts. per ft.; double jacket fire hose, 85 cts. per ft. Gutta Percha & Rubber Mfg. Co., Baker fabric brand, multiple woven, $1.10 per ft., delivered engine house on Aliso St. Boston Woven Hose & Rubber Co. by Union Well Supply Co., Bay State double jacket, 90 cts. per ft. f. o. b. engine house No. 4. L. A. Rubber Co., A-1 double jacket, f. o. b. engine house No. 4, 75 cts. per ft. American Rubber Mfg. Co., 5,000 ft. or less 88 cts. per ft.; over 5,000 ft. 85½ cts. per ft. Eureka Fire Hose Mfg. Co., 1 circular multiple woven fire: "Eureka" brand $1.20 per ft.; "Paragon" brand, $1.10; "Red Cross" brand, $1.; circular woven double jacket fire hose: "Monitor" brand, $1 per ft.; "Peerless" brand, 90 cts. H. J. Lelande is City Clk.

EXAMINATIONS.

PHYSICIAN (MALE).—The U. S. Civil Service Commission calls attention to the examination to be held on Sept. 14. Applicants must have reached their twentieth birthday, but not their fortieth birthday on the date of examination.

Applicants for positions in the Indian Service must accompany their application with a certificate from a reputable physician showing that they are in good health and free from tuberculosis in any and every form.

Application Forms 2 and 375 for the Philippine service, and Form 1312, including medical certificate for other services.

Applicants should at once apply for a copy of the Manual of Examinations and the proper application forms to the U. S. Civil Service Commission, Washington, D. C. No application will be accepted unless properly executed and filed with the Commission at Washington. Salary, $1,000 a year.

TRADE PUBLICATIONS.

STEEL DERRICKS AND DRILLING MACHINES.—Carnegie Steel Co., Pittsburg, Pa.; 5 × 7¾ ins.; pp. 31; illustrated.

This catalog gives in some detail the history of oil and salt well drilling methods, descriptions of derricks and machines for that purpose and drawings of such devices made by the Carnegie Steel Co.

TELEPHONES FOR MINES.—Western Electric Co., Chicago. Paper; 8½ × 10½ ins.; pp. 4; illustrated.

The apparatus described is for a combination telephone and emergency signaling system for mines, specially designed to comply with the laws passed by several states in regard to telephone and signal-gong equipment for mines.

CONCRETE REINFORCEMENT.—"Uses of "Hy-Rib," 4th Ed., 1910, and "Rib Metal." Trussed Concrete Steel Co., Detroit, Mich.; 5½ × 7¾ ins.; illustrated.

Each of these pamphlets give the latest developments in the two type of rib and mesh reinforcement for floors, walls, roofs, arches and sewers as made by the Trussed Concrete Steel Co.

EXCAVATING MACHINERY.—F. C. Austin Drainage Excavation Co., Railway Exchange Building, Chicago. Paper; 10 × 6¾ ins.; pp. 72; illustrated.

The greater part of this pamphlet is devoted to the Austin drainage excavator, which has buckets moving transversely to the line of the canal or ditch and cutting to an exact template of the desired cross section. The material is delivered on one or both sides of the excavation. The machine carrying the template may span the cut or travel upon the berm. Other machines included are drag-bucket excavators (having the bucket handled by lines or by a pair of dipper handles), a grab bucket machine having the bucket carried by a vertical steel post instead of by cables, trenching machines for sewer and tile drainage work, and portable concrete mixing plant.

For other Proposal Advertisements see pages 51, 52, 53, 54, 58 of Advertisements and Construction News page 118.

CONCRETE VIADUCT.

Dallas, Texas.

Sealed proposals, endorsed "Bids for Dallas-Oak Cliff Viaduct," and addressed to the undersigned, at the County Court House in Dallas, Texas, will be received until 10 o'clock A. M. on Saturday, the first day of October, 1910.

Plans and specifications for the above named work may be obtained from J. F. Witt, County Engineer, County Court House, Dallas, Texas, upon application, and the payment of $5.00 therefor.

The Plans and Specifications will also be on exhibition at the office of the said County Engineer.

Bidders are requested to visit the "Site," to make their own investigation regarding materials, location, facilities for delivery of materials, etc.

The work will include about 43,500 Cubic Yards of Reinforced Concrete, One Steel Span 100 feet in length, about 40,000 Lineal Feet of Concrete Piling, 8,600 Lineal Feet of Timber Piling, and all other details necessary to complete the said structure.

No bid will be considered unless complete in all respects as outlined in the specifications and accompanied by a Bidder's Bond in a reliable Surety Company in the sum of $50,000.00, or a certified check for the sum of $25,000.00 payable to the order of the undersigned.

The Commissioners' Court reserves the right to reject any or all bids as it may deem best for the County's interests.

Dated Sept. 3rd, 1910.

JOHN L. YOUNG,
County Judge, Dallas Co., Dallas, Texas.

DREDGING.

COMMONWEALTH OF MASSACHUSETTS.

August 30, 1910.

Board of Harbor and Land Commissioners, State House, Boston.

Sealed bids or proposals for dredging a channel and anchorage basin in Hingham harbor will be received by the Board of Harbor and Land Commissioners at Room 131, State House, Boston, Mass., until 2 o'clock P. M., Friday, September 23, 1910, and then and there will be publicly opened and read. The work to be done is the dredging of about 60,000 cubic yards, scow measurement, of material to form an anchorage basin about 700 feet long and 300 feet wide and a channel 75 feet wide to connect the basin with the channel to be dredged by the United States. All dredging to be to the depth of 6 feet at mean low water. All proposals must be made upon blank forms, which, together with information in regard to the work, may be obtained at the office of the Board, where plans and specifications may be seen. Each bidder will be required to give to the Board satisfactory assurance of his competency, experience and responsibility. The right is reserved to reject any and all bids and to waive any defect or informality at the discretion of the Board.

GEORGE E. SMITH,
SAMUEL M. MANSFIELD,
HEMAN A. HARDING,
Harbor and Land Commissioners.
FRANK W. HODGDON,
Chief Engineer.

PROPOSALS FOR BARGES AND FLAT BOATS.—U. S. Engineer Office, Customhouse, St. Louis, Mo., September 7, 1910.—Sealed proposals for building, leasing, or selling 1 to 20 barges and for building 5 to 50 flat boats, of wood or of steel, will be received at this office until 11:00 A. M., October 7, 1910, and then publicly opened. Information on application. CHAS. L. POTTER, Major, Engrs.

U. S. ENGINEER OFFICE, Montgomery, Ala., August 31, 1910.—Sealed proposals for cutter machinery and other accessories for a 15-inch pump dredge will be received at this office until 1 o'clock p. m., September 30, 1910, and then publicly opened. Information on application. H. B. FERGUSON, Capt., Engrs.

U. S. ENGINEER OFFICE, Galveston, Texas, September 8, 1910.—Sealed proposals, in triplicate, for jetty work at Aransas Pass, Texas, will be received here until 12 M., October 8, 1910, and then publicly opened. Information on application. G. P. Howell, Major, Engrs.

WATER-WORKS.

Roslyn, N. Y.

Sealed proposals will be received by the Board of Water Commissioners, Roslyn, N. Y., until 11 o'clock a. m., Sept. 19th, 1910, and then publicly opened and read.

Work will embrace furnishing approximately 1,600 Tons of Cast Iron Pipe, 40 Tons of Special Castings, 125 Fire Hydrants, 148 Valves and Boxes, Brass and Concrete Pumping Station, 2 Complex Pumps and 2 50-HP. Gas Engines with Gas Producers, and laying about miles of pipe.

Plans and specifications will be on file and may be obtained from the engineer on receipt of five ($5.00) dollars. Plans may be seen at the office of the engineer.

Specifications will be on file and may be obtained from the engineer.

All inquiries must be addressed to the engineer.

All bids must be accompanied by a certified check or its equivalent for not less than 5% of the total amount of the bid.

The right is reserved to reject any or all bids, or to accept any bid, or bids, or any portion of any bid.

BOARD OF WATER COMMISSIONERS,
J. F. REMSEN, Chairman,
RALPH TUBBY,
THOMAS FAGAN.
Engineer,
WALTER E. SEXTON,
Mineola, N. Y.

SEWER.

Ossining, N. Y.

Bids will be received up to 8 o'clock on the afternoon of September 13, 1910, for constructing part of the permanent sewer system of the Village of Ossining, N. Y., known as sections G. and H.

Contractors are warned to carefully read the specifications and bid sheets as the contract to the successful bidder will be strictly in accordance with the specifications.

The Village of Ossining reserves the right to reject any or all bids. By order of the Village Trustees.

R. A. WARD, Village Clerk.

Plans and specifications for this work are on file at the office of Engineering News, New York.

PAVING.

Auburn, N. Y.

Sealed proposals will be received by Hon. Thomas H. O'Neill, Mayor, up to 8 o'clock P. M., September 20, 1910, for the paving of Osborne Street in the City of Auburn, N. Y., with medina sandstone block, and 1,800 lin. ft. of medina sandstone curbing. Proposals must be accompanied by a certified check or bond in the sum of $1,000. Blank proposals, bonds and specifications and additional information may be obtained from Elbert C. Aldrich, City Engineer.

J. S. HANLON,
City Clerk.

ARTESIAN WELL.

Depue, Ill.

Sealed bids will be received until September 27, 1910, for sinking an artesian well at Depue, Ill. Depth, about 1,300 feet.

Specifications can be obtained from Charles E. Pope, Village Clerk.

Situations Open

DRAFTSMEN—Wanted, experienced Bridge and Structural Draftsmen and Checkers. Apply, giving particulars, to DOMINION BRIDGE COMPANY, LIMITED, Montreal, Canada. 10-1t

WANTED, for Santo Domingo, 5 Civil Engineers, chiefly for surveys; also other work. One year's employment at least; salary $125.00 to $175.00 per month; passage from New York and back paid. Must be single and have best of references. Spanish speaking men preferred. Give full details. Address "E. B. 10," Engineering News, New York. 10-1t

Miscellaneous Wants

WANTED.

Two 600 foot

Air Compressors

with boilers; compressors for 40 lb. pressure. Cuban Engineering & Contracting Co., 17 West 42d St., New York City. 10-1